

1489

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<400> 2219
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 agttattttta ttgatcaact gaataaatat acataaatgt tactttcttt ttctttactt 120
 tattttttttt tccccattcc agatcctggg tgtttggtg acctacagat acaggaacca 180
 gaaagacccc cgcgcgaatc ctagtgcatt cctttgatga gaaaacaagg aagatttcct 240
 ttctgtattat gatcttggtc actttctgta attttctggt aagctccatt tgccagttaa 300
 aggaaggaaa cactatctgg aaaagtacct tattgatagt ggaattatat atttttactc 360
 tatgttttctc tacatgtttt tttctttccg ttgctgaaaa atatttgaaa cttgtggtct 420
 ctgaagctcg gtggcacctg gnaattaatg ggattcaatg gccggcactn gncctttggg 480
 ccttnttaag catttttacc tggcaaaaaa actttgggtg ggacccctgg ggttgggtta 540
 atatggggaa atctgaacgt anaattttta ctgggaataa ataatatgaa ccctgggctg 600
 gggaaaangg tcctactggn aaaaaganng ggaaattatt aaatcagaa n 651

<210> 2220
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1490

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1491

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1492

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 gacgcaccgg aaattccgca aggtggcagt ccagccncct gctcangatt ccggcctaac 180
 ccggagctga cggaggcnct gaccaccagc ttcgtgcgga ggctgtttctg gggtagccng 240
 ggcgcgngaa ctccgctcgc tgaanctttg agaactncca gcgcatectc nagegaccc 300
 gtctcagcgc ctgngagcct gaccgctgaa nagecncngac aacctttctc gtaccncggg 360
 acccccaggt ttttgcgaat ccngaataa ancnnngggag tcgtcacngg ctctcgcgc 420
 ctcaagggtg aaatcntggc ctgtgcctcc caaaacaaag tggggaaccc agtctcggtc 480
 acctgggaac atggtgaaca tgtgaatgca anatctgggn atcggaagnc ngaattncaa 540
 atgtgactcc acctcttgtg aagccgtga 569

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1493

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tgacaggcag gcgcccactg tcccaggcca caggggctgt ggtctccagg cctgtgactt 120
ggcagggggcc tctgcgacgc agcttttagcg aggacaccct gatggatggc ccagctcgga 180
tagagcctat cagggcaagg aagtggagca acagtcagcc tgcagatttg gcacatatgg 240
ggcagtcaag agaagacccc gctgggatgg aagcctccac catgcccata tctgccttgc 300
cccgaacgag cagttgaccc cgggtgttgc gaaggccctt gctccctggg aacttggtgc 360
cgacaagtct cagggcctnc gatgggcaac ttaagccnan gcaccancga ancc 414

<210> 2222
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<222> (367)

1494

<223> n equals a,t,g, or c

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<221> misc feature

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<400> 2222

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cccacctcgg ctggtcccggt ttcctcctgc gccagtgcg gacctgtctc ggcgcccget 120
gccctctcac cgccccacgc aggatcccg cctggtcacc gggcagtgng atgcttcccg 180
actgccgcgg ggacagcgag gcacacacag ggcttggggc gcgccggagg ccacacggcc 240
tggctgagtt gtcctgggtc tcccgcctct cccaggcgac ccggaggtag catttcccag 300
gaggcacggt cccccccagg gggatgggca cagccacgcc agatggacga gaagaccaan 360
aaagcanagg aaatggccct gagcctcacc cgagcagtg cgggcgggga tgaacagggtg 420
gcaatgaagt gtgccatctg gctggcagag caacgggtgc ccctgagtg gcaactgaag 480
cctgaggtct cccaacgca ggacatcaga ttcctcatgg ngcaaaatgg ccattccagc 540
tncatccagc catnacantn acagggagga a 571

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<212> DNA

<213> Homo sapiens

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<221> misc feature

1495

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ctgcagggtac cgggtccggaa ttcccggggtc gacccacgcg tncggccant aagcaagctg 120

1496

```
gacaaaagaa gaaacaagga catgaccnaa aggctgctgn caaagctgcc ttaatatata 180
cctgcactgt ctgtaggaca canatgncag accctaana cttnaagcag cactttgaga 240
gcaagcatcc taagactcca nt 262
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<210> 2224

<211> 319

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<400> 2224

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gtaaaaggcc tactgtacct catgatgaag actcttcaga tgatattgct gtaggtttta 120
cttgccaaca tgtaagtcac gctatcagcg tgaatcatgt aaagagagca atagctgaga 180
atctgtggtc agtttgctca gaatgtttta aagaaagagg attctatgat gggcagctag 240
tacttacttc tgataatttg ttgtgcctca agtgtggctt ccagggatgt ggtaaaaact 300
caganagcca acattcatt 319
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<211> 462

<212> DNA

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<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

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<220>

<221> misc feature

<222> (428)

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<220>

<221> misc feature

<222> (429)

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1497

<220>
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agcttttcat cctactataa aggaggattt gaacagaaaa tgagtaggcg agaagctggt 120
cttatttttag gtgtaagccc atctgctggc aaggctaaga ttagaacagc tcataggaga 180
gtcatgattt tgaatcacc agataaaggt ggatctcctt acgtagcagc caaaataaat 240
gaagcaaaag acttgctaga aacaaccacc aaacattgat gcttaaggac cacactgaag 300
gaaaaaaaa gaggggactt cgaaaaaaaa aanaaaaggg cggccgctct agaggatcca 360
agcttacgta cgcggtgcatg cgacgtcata gctcttctat agcggcacct anattaattc 420
actgcncnnc gttttacaac gtccgactgg aaaaaccct ng 462

<210> 2226
<211> 493
<212> DNA
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<221> misc feature
<222> (7)
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<220>
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<222> (18)
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<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
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<222> (457)
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taanggnaca aagctggngc tccaccgcgg tgnccggccgc tctagaacta gtggatcccc 60
cgggctgcag gaattcggca cgaggaggag agcatgaatg agagtcaccc tcgcaagtgt 120
gcagagtctt ttgagatgtg ggatgatcgt gactcccact gtaggcgccc taagtgtgaa 180
gggcatcccc ctgagtcttg gaagtggatc cttgcaccgg tcattcttta tatctgtgaa 240

1498

```

aggatcctcc ggttttaccg ctcccagcag aaggttgtga ttaccaaggt tgttatgcac 300
ccatccaaag ttttggaatt gcagatgaac aagcgtggct tcagcatgga agtggggcag 360
tatatctttg ttaattgccc ctcaatctct ctccctggga tggcatcctt ttactttgac 420
ctctgctcca gaggaagatt tcttcttcat tcatatncga gcagcagggg acttgacaga 480
aaatctataa ggg                                     493

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<210> 2227

<211> 520

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<400> 2227

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ggctctggta tcagttcctc ttcagtattg catggcatgg tttttaagaa ggaaaccgaa 120
gtgatgtaac atctgtcaaa gatgcaaaaa tagcagtgtg ctcttgtcct tttgatggca 180
tgataacaga aactaaggga acagtgttga taaagactgc tgaagaattg atgaatttta 240
gtaagggaga agaaaacctc atggatgcac aagtcaaagc tattgctgat actggtgcaa 300
atgtcgtagt aacagggtggc aaagtggcag acatggctct tcattatgca aataaatata 360
atatcatgtt agtgaggcta aactcaaaat gggatctccg aagactttgt aaaactgttg 420
gtgctacagc tcttcctaga ttgacacctc ctgtccttga agaaatggga cactgtgaca 480
gtgtttactc tccagaagtt tggagatact cagggtggttg                                     520

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<210> 2228

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<212> DNA

<213> Homo sapiens

1499

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1500

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<222> (489)
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<222> (537)
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<222> (538)
<223> n equals a,t,g, or c

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tggcccaaaag gggttttaacc cccgggggtt ncccccgggg aaaaattttt cccccggggg 120
gggttnccgn aacccccaaa cggnccegtt tccccggggc ccgggggggn aaccggaac 180
cgnttttgga aaaaagcccc caattggggg cccccgggct ttacccgttt cccaaaggga 240
aactttttcc ccaacccccca aaagaacttg gttttggggg ttcttgaacc cgggcttncc 300
aaccaaaaca agggtttgcc ccaangctta gtcacaagtt acccgcggtg tacttacaat 360
tgccggggcc caaggatgaa gaccangact acatctggac cactcattgc atctacctgt 420
aacctgacgg ctttacggat actacggcga caatcgctac agattaacat gtcgngnaca 480
tgcggttcna tgctgcttac cactgatctg cccatattaa cggctggtta aaaaaann 538

1501

<210> 2229
<211> 554
<212> DNA
<213> Homo sapiens

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<220>
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<222> (549)
<223> n equals a,t,g, or c

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gcgcgcgggtt cgcacttttcc aggttttcttc cccagggaac agagcttgag cgggggggcca 60
cccccccgctc ctaccggagt tctgagggtgc ggtagagcgga cgcccagcgc 120
cagattctgt gggctccgga gttcaggccc actgagccgc agctgagcac aggcgggggca 180
ggaaaaagga tgaggtgagg gaaggcgctg ggttcctgga accccaaggg agcactgagc 240
tgagtaagtt ngttcctgtc aattgggaac cccctcaacc acttccattc cccaaatacc 300
tgcgctgcta ccgatgcctc ttggagacca aggagttagg gtgccttctg ggatctgaca 360
tctgcctcac cccagctggc agcagctgca tcaactctcca caaaaagaac agcagcgggt 420
ctgacgtcat ggtgagtgac tgccgaagta aggagcagat gagtgattgt tcaaataccc 480
gaacttctcc ggtgtctggc ttctggatat tctctcaata ctgcttctg gatttctgca 540
atgaccctna aaac 554

<210> 2230
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<212> DNA
<213> Homo sapiens

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<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
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<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

1502

<220>
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<222> (254)
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agttttatat tccggaggta gaaggcgtag aacagggttat ggatgatgaa tcagatgaaa 120
aagaagcaaa ctcaccttaa aataatctgg attttctttg ggcataacan acagacttgt 180
tgatnatata tatcaagttt ttattattaa tatgcntgag gaacttgaag atnaataaaa 240
tatgctcttc atanaatgat atttct 266

<210> 2231
<211> 295
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (245)
<223> n equals a,t,g, or c

<220>
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<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)

1503

<223> n equals a,t,g, or c

<400> 2231

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gttcagctcc aaaagccccct gccacacctg gggcacagnt ggcacctgat gtgagactgc 60
tctatgtgct agccattgcc gcgcttggtg gcctctgcct catcctggcc tcctccctcc 120
tctatgtggc ctgtctgcgg gaaggcagac gagggcgccg acggaaatac tcaactgggtc 180
gggccaacnc gggcaggagg atctgcggtg caactgcatg acagtcttaa gccantgtcc 240
tgnanaggaa gatgaggggtg atgatgaagg gggcttnggg gccttgaagg gcaan      295
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<210> 2232

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (464)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<400> 2232

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cagatgtgtc tacgtgcgct ctgccattca actcggaac tataagtaat tctcaagaaa 120
gccctcattt ttataacctg gcaaaatcct gttaatgtca ttgctaaaaa ataaataaaa 180
gctagatact ggaaacctaa ctgcaatgtg gatgttttac ccacatgact tattatgcat 240
aaagccaaat ttccagttta agtaattgcc tacaataaaa agaaattttg cctgccattt 300
tcagaatcat cttttgaagc tttctgttga tgttaactga gctactagag atattcttat 360
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1504

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gttaatgcga tccattttctt ggtacacaaa ctgccagaga agaataaaga gatgttggat 180
atthttggtga aacacttaac aaatgtttna aatnactcca agcagaaccn gangactgtg 240
gcaaaacttag gagtgggtgtt tggaccaact ctgatgaggc cacaggaaga aactgtngct 300
gccctnatgg actttgaaagt ttcagantat tggtgtggga aatcttaatt ggaaaaccag 360
gaaaaggttt tttnggncgn nncnngnnat taaattnnnn gngnccanct nncctntaaa 420
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gggggncnccg gngcngnttnn aaatnttt 508

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ggaatgacat cttacgcaaa aagggtatct tcccccccaa ggaaagtctg aaagaatttg 180
aagaggaggc agaagaggag cagcgcatcc tccagcagtc agtggtgaaa acatatgaag 240
atatgacttt ggaagagctg gaggatcatg aagacgagtt taatgaggag gatgaacgtg 300
ctattgaaat gtacagacgg cggagactgg ctgagtggaa agcaactaaa ctgaagaata 360
aattcggaga agtttttgag atctcangga aggattatgt tcaagaagtt accaaaagctg 420
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ttcaataactt ttccattatt tttcctcttt tttatagagc taatgtcaaa ccccgaaatt 120
ccacaccacc tagtttggca agaaatcctg ccccgaggtg gcttacaaac aaaagaaaaa 180
catatactga gagctacata gccaggccag atgggggactg tgcactttcc cttaatgggtg 240
gaaatattaa aggcatgtga ggacattcac ctggaaaactt accaaaattc tgccatgagt 300
gtgggactaa atacctgtga gaatnggcc aatttttgctn tgaatgtggc attcgaagaa 360
tgattctatg aatagaatct caaaaaaaaaa aaaaaaaaaa caagttcaaa agtttatgat 420
tattgntgnt tggncagct anaacacatc cttaattaan tttgggctaa aaatct 476

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tgggcctgtt ggagaaaaag aaagattaca aacttcgtgc agatgactac cgaaaaaaac 180
aggaatacct cagagctctc cggaagaagg ctcttgaaaa aaatccagat gaattctact 240
acaaaatgac tcgggttaaa ctccaggatg gattccacgt tattgaagga gactgaaggg 300
aggaagtgaa ctgccagaac aactggaaac tgatgagaac ccagggtgtc caaatatgat 360
gagaaatgga aaagggtttg ccgggaactg aaggaaaatt ggaaaganga aantccgagn 420

1512

tcccnctgg ctgggatttt cccgggggaa gccngccgga tgaagccatg tggtnntntt 480
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taagttctat ttgcaaaatc gcagtctgcc tcagtcanat cctgtattaa aagttactct 180
ngcagtgtct gatcttcaaa aatccttgaa ctactggtgt tatctactgg gaatgaaaat 240
ttatgaaaaa tattataaaa gctatcgggc ttgcttgggc tttctgaaaa acccttggtta 300
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ttgctcctgg acaaaaaacca ggagccccag tggcggggaga cagctcgctg gatcaaat 180
gaagaagacg tggatgaaga tgcccatgat tcagaggcca aagtggcgag cctgagagga 240
atggagttac aggggtgctc cagcactcag gttgaatcan aaaataacca anaagaacag 300
aacaggtgc gcttaccaga aagccgtctg acaccatggg aggtgngggt tattggcnta 360
gaaaaagaag aacgtgaccg gctgcatctg aaagctntag aggaattaaa tcaacnctag 420
aanaaagaa 429

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cccgncgtgct aataaaaggag ccttccaagc gtgtgggggca ttttcgtgga ctacagaatt 120

ggaaagcatn ttctttttaca atgtgaaaaag caagatncca catttataca ttngncagat 180

ggtttttttt ttgggnccct ttaaa 205

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 cctactatcc agcgaaacca cagccaaggg aacgggcttg gcggaatcag cggggaaaga 180
 agaccctgtt gagcttgact ctagtctggc acggtgaaga gacatgagaa ggtgtaaata 240
 aagtgggang cccncnnnc cccc 265

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 ggtcgtagtg tttaactgtc agataaatgg caaggtcaaa gtggcagtcg ggaggagtta 240
 cttgaggaga tcagtggagt tggttaatat aaaataatat tcttaagggc aagatagatg 300
 ggcagctaac aaggctatat cttgaacaat ataattgaaa gaaattatta aaaaacgggt 360
 gattaagagg caaagtgcaa ctacacaaat taaaaaagcg ttatcccttg actagtttct 420
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1517

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 ataatactgt aacaatctgc agctgtctca tatgttatat aaagaatgaa ctcataacag 180
 tgagaaaagg gtatgtagtg cctttatgaa tactaaaaaa atagggtcaaa ttcctggnat 240
 atgtatgact tggttttatt ataattatga aaccctttaa cctattattc ttttaaatac 300
 aagcagaaat acaagacatt gccattacca gttagcttta atagactcaa gaaacaaaat 360
 agtctcttaa gttttatgta agtgataaaa taaactaaga gttcctcata gatataatac 420
 ttgaaaaatg gtttctagtt agtgacgggtg gaataaaaatc attttcttac tctcttctct 480
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1518

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agatacaaac ttagtatctc caggcattga acagcagget ttccaggact gtcattccttg 180
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gcgacagagc acgttccccg tgcagcacia gtggagctgc agtatcagaa cctaaggagg 300
cagagagtgg aattctgggt tgctggcatg actggaatat ttgctagaga ggaggaactg 360
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aaatgcttgc attggaactg ttttaaacca atgatctcaa gtctttgtct taagttagaa 480
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gctnagccgt cccttctcgn catgtcccag agcangcacc gcgcccaggn cccgccgctg 180
gaacgcgagg acagnngggac 200

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gccccct 127

<210> 2246
<211> 229
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ggctgctcta gaactagtgg atcccccggg ctgcaggaat tcggcacgag cggcacgagc 120
ggcacgaggg gggggccggt acccaattcg ccctatagtg agtcgtatta caattcactg 180
gccgtcgttt nacaacgtcg tgactgggaa aaccaanga ntnganatt 229

<210> 2247
<211> 111
<212> DNA
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1522

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<210> 2248
<211> 99
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gccgtcgttt taaacgtcgt gactgggccc naaaannnn 99

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1523

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<400> 2249

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actagtgggg gcccggtacc caattcgccc tatagtggagt cgtattacaa ttacttggcc 120
gtcgttttac aacgtcgtga ctgggaaaac ccaantcnnt tntnc 165
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<211> 573

<212> DNA

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1525

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<220>

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<220>
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<220>
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1527

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<222> (568)

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agaccanccc atgaagagtg gtgggtgggt tattcactgg aaatggtgcg ttnttgctnn 180
ccnaaaacnc acgtnnactt cngaggaatg atgggcaaat ctggtctncn tggntgaaac 240
ccttnttttc ccntagatgc tttaaccttn gttgggtttcg gctntaggtg tcatagtcnc 300
ttctgttccc ttctccattc tgganaagga cttcccctac atacaccctg attncttgtn 360
gctgtgggga ttggacgtaa cattcaaaga tcntatgtgc tttcctcact tcggatataa 420
acactctggg ttttacagca atnancgtgc taaccttcat ngnganaaat aaaacatctc 480
tcttctactc ctgctgtttc atgcgccact cctttggggg ctttntcaat ttgttgaact 540
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<210> 2251

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<212> DNA

<213> Homo sapiens

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<220>

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<222> (91)

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1528

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<210> 2252

<211> 247

<212> DNA

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ggaattcggc acgagcggca cgagcggcac gagggggggc ccggtacca attcgcccta 180
tagtgagtcg tattacaatt cactggccgt cgttttacia cgtcgtgata ccccnaaaa 240
aannttn 247

<210> 2253

<211> 103

<212> DNA

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<220>

1529

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<210> 2254
<211> 111
<212> DNA
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<220>
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<220>
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1530

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<211> 187

<212> DNA

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1531

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cccccggtt gcaggaatcc ngcagagcg ganacgaggg ggggcccgt acccanttcg 120
ccctatagtg agtcgtntta caattcactg gncgtcgttt tacaacgtcg tgactgggaa 180
aacccan 187

<210> 2256
<211> 155
<212> DNA
<213> Homo sapiens

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1532

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ggcggttcgct ctagaactag tggatcccc gggtgcagg aatccggnac gagcgnaann 120
agggggggcc cggttcccaa ttcggcctat attna 155

<210> 2257
<211> 125
<212> DNA
<213> Homo sapiens

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<220>
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tggccgtcgt ttacaacgt cttgactggg aaaacccaaa tnnntttctn tgttnttctn 120
ttncc 125

<210> 2258
<211> 112
<212> DNA
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<220>
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1534

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112

<210> 2259

<211> 120

<212> DNA

<213> Homo sapiens

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tacaattcac tggccgctcgt ttacaacgt cgtgactggg aaaacccaaa nnntttccn 120

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<211> 197

<212> DNA

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1535

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1536

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tcccccgggc tgcaggaatt cggcacgagt ggcccnaggg ggggcccggg accctcttcn 120
ncnttttagtg agtcgtatta caattcnctg gccgtcgttt tacaacgtcg tgnctgggaa 180
aaccatggtt tggtgac 197

<210> 2261

<211> 242

<212> DNA

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1537

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ggagctccac cgcggtggcg gacgctctag nactagtgga tcccccgggc tgcaggaatt 120
cggcacgagc ggcacgaggg ggggcccggg acccaattcg ccctatagtg agtcgtatta 180
caattcactg gccgtcgttt tacaacgtcg tgactgggaa aaccagcna nnaganangg 240
gc 242

<210> 2262
<211> 145
<212> DNA
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1538

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<220>
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<222> (143)
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acctggagct ccaccgcggt ggcggccgct ctagaactag tggatccccc gggctgcagg 120
aattcggcac gagggtnatn nantc 145

<210> 2263
<211> 373
<212> DNA
<213> Homo sapiens

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<220>

1539

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 tatagtgagt cgtattacaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac 180
 cctggcggtta cccaacttaa tcgccttgca gcacaatccc cctttngcca gcttggagta 240
 ataagcgaag aggcccgcac cgatcgccct tcccaacagt tgcgcagcct gaatggcgaa 300
 tgggacgcgc cctgtagcgn tgcattaagc gcgnnggtgn gntgggttacc cgcagtgtga 360
 ccgctacact tgc 373

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gattttctcag ccagctctaa aacagattgc tttttcagtg gccttactct ttgtggggtt 180
tttttttttt ctctgaactt gatataaaga ttttatttgt cccttgaaaa agtaacaaat 240
gtgcatagat caatttgtac tactttgggtc attggatatt tctgatacctt attgcattgt 300
acctaaagga gagtaactaa tggtaacctt tttaatagag tatgtgaaag gtagtggctg 360
atgaatcctt aacgttcata ggggtctttt gctgttacgg ttgtatatag aggtctggaa 420
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1542

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tcnagaacta ggggatnccc cgggctgcag gaattcgata tcaagcttat cgataccgtc 120
gacctcgagg gggggcccg g tacc caattc gccctatagn gagtcgnatt acaattcact 180
ggcgcgtcgg ttacaacgnc gagactggga aaaccctggc gntacccaac ttaatcgncn 240
tgnaggacat ccccccttcg ncagntggcg taatagcgaa gagggccgna ccgancgcct 300
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<220>
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1543

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actttcggcc ctgggaccaa agtggatata aaacgaactg tggctgcacc atctgtcttc 180
atcttccccgc catctgatga gcagttgaaa tctggaactg cctctgttgt gtgcctgctg 240
aataactttct atcccagnga ggccaaagta cagtggaagg tggataacgn cctccaatcg 300
ggtaactncc aggagagtgt cacagagcag gacagcaagg acagantac agcctcagca 360
gcacctgacg gtgagcaaaag cagatncggg gaacacaagt ttaggcttcg agtcancnt 420
cagggctnag ntgnccgtna aaagngttta acagggnggt ntngagggga gtncccactg 480
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<210> 2267

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<212> DNA

<213> Homo sapiens

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<400> 2267

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ctacaaaactc cattcacttt cggccctggg accaaagtgg atatcaaacg aactgtggct 120
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1545

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gcaccatctg tcttcatctt cccgccatct gatgagcant tgaaatctgg aactgcctct 180
gttgtgtgcc tgctgaataa cttctatccc agagaggcca aagtacagtg gaaggtggat 240
aacgccctcc aatcgggtaa ctcccaggag agtgtcacag agcaggacag caaggacagc 300
acctacagcc tcagcagcac cctgacgctg agcaaagcag actacgagaa acacaaagtc 360
tacgcctgcg aagtcaccca tcagggcctg agctcgcccc tcacaaagag cttcaacagg 420
ggagagtgtt agagggagaa gtggcccccac ctgctnctca gtttcagcct gaccccttcc 480
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<210> 2268

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<212> DNA

<213> Homo sapiens

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 ctctgcgttt atggaataca actgaagttg ctccagcact aantgtattt aatgatacta 180
 aagaactggg aatccctgcc tctgtggatc tantgagcan tgacccgagc catatngtat 240
 catcattcag caagggatat acaaacattt ttaacatgga aacacaacaa cgcattctca 300
 ctttanaatc caatgtaata caacanccaa ctcttcctgc caaatnaatt nnantcatca 360
 ntctcctact cttccgatca acatcctgct ccttaaaaaa ngcnatccaa ttctatnata 420
 acnattccgg caaatnatcc ctccatggtn ccccccttaa actntttcaa ttttaacctt 480
 ttaaccccg ggccttacct tnanattttg gcncccaaa aatttcnnna cnttttttgg 540
 aacccccaaa ttttaaaatt ttttcccaa aaatcccccc nccccnnaa aaatttttta 600
 aaaaaacanc ccccnatttt ttttttncce ccccccaaa ttttttttcc cctttttttg 660
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<210> 2269
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1549

<212> DNA
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1550

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ctcacgccga cttcccttcc tctgcccggc tctctcttgt gctcgtctgc gctccgcacg 300
ctccgggccg gctcgtctct cattgcccgg ctcggctccg ctggccctga ctgaccggcc 360
ggcggggccg ctttgcctcg ttttccgggc gggcggtgga ctccgtcccc tggtgggacc 420
atggtgaaca cccggaagaa ctctnttcgc ttctcgggtn cnagtcttct ggtcccggcc 480
tggcctgggg cccggaacan aacctggggc gaccgangca canncattta tctctttgga 540
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<212> DNA

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1551

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1552

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1554

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ctgacttccg gggccactgg gtgctgatat tctttggctt cactcactgc cctgacatct 180
gcccacaaca actggaaaaa ctngtgcaag tngtncgaga gctgnaaaca aanctgggtt 240
tcctccagtn cacctgtctt catcactggt gaccccaacn ggatnacttt aacctgncc 300
nctacttcaa ganttcacc ccnantggt nggtetnacc ggctcccaa anatgttgcc 360
cnngctaate ccattncgc tttnttcaa ttcnngccc ncgatnaagg aacatgaata 420
ctcttgaaca tcctttgtc tactctcacc cttanggtc tccccgatta tacgnccgaa 480
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<212> DNA

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gttc 184

<210> 2272
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<212> DNA
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1556

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<220>
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1557

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1558

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1559

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<222> (650)

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<222> (663)

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<220>

<221> misc feature

<222> (669)

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<400> 2272

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tggatgaatg cgcccgagg tnatgtctca caaanagtnc tccgcnccca gacatggggtc 120
ccnngcttc ctgcctcggg agcgancac cnggnntcgt ggggaagggtga anatcttccc 180
taaggatgac ccatccaagc cgggccacct cacatccttc ctgggataca aggctggcat 240
gactcacatc gtnggggaag tcgacaggcc gggatccang gtgaacaana aggagggtgt 300
ggaggcngtn accattgtng agacaccacc catggtggtt gtgggcattg tngcnacat 360
gaaaaccctc cgangcctcc ggaccttcan tactgtcttt gctgancaca tcagtgatga 420
atgcannagg cgtttctatn nnaattggcn ttcattctaat aacaangcct ttaccatnta 480

1560

```

ctgcannaaa tngcaggatn aggatngcna gaagcngctg ggagaangac ttcagcagca 540
tgaaaaaata tgcccagtc tccgtgtcat tgcccacanc caggattcgc ctgcttcctc 600
tgcgccagna aaaaaggcca cctgatggaa catccnggtg aaccgaaggc ggtggtggcc 660
ganaaactng gacttggggc c 681

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<210> 2273

<211> 355

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (272)

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<220>

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<221> misc feature

<222> (333)

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<222> (344)

<223> n equals a,t,g, or c

<400> 2273

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ggcagagnca gatattccatg tgtggaagct ctgagtcact gaatagcaaa gaaaaatatg 60
aaagcaagag gaattgcttt cacatctaga aaatgtttgca agataatctg aaatcttctg 120
gtgctggtga atgcatgaag aggttcacag tatcttttaa agtacttctg gaaaagataa 180
ggagttttaa aggtgggtgt gtacactggg cactgagctg cagtaggatt tttccttggg 240
atagtctggt ctggagctgg gacacagctg cnctttgggg aaaggccgc tngcaagatg 300
attggaagna attctccctt attggtaggc ctntgacggc cctntttttc agcca 355

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<210> 2274

<211> 100

<212> DNA

1561

<213> Homo sapiens

<220>

<221> misc feature

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<220>

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<222> (58)

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<222> (73)

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<400> 2274

gggattccca aagctgacat cacgtgggag ttaccggata aggnngcatct gaaggcangg 60
gttcaggctc gtntgtatgg aaacanattt cttnaccccc 100

<210> 2275

<211> 446

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (10)

<223> n equals a,t,g, or c

<220>

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1562

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<220>

1563

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<222> (296)
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<222> (304)
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<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<400> 2275
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cacagctatt taatatgtat ttcaacacta taccacacgc tatataatgt gtatttcagc 120
aaatatacca caactattta atgtgtattt cancantata ccacaactat gtgatgtgta 180
tttcaacaat atgccacagc tntttaatat gtntttcaaa atnacacgca gtccttgctt 240
tgcatantaa tgntgaaacc ataagaaatc accataactnc tgagactcta canaancagt 300
gttnnatcat cagtgaaagg aaattattat tctgtcacct ttacattttt atgtaaaaat 360

1564

attgaaaact ncaataatcn actataaaag gttcnaatta agaaaaaatt naagaatata 420
 tataangttc atattattca tacctc 446

<210> 2276

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<400> 2276

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 tggcagcagc ttctctcatg gcggccagta cgttgctcag ctctctccgc ttctctttgg 120
 cgcggtatgtg cgtccccacc cttttcttga taaatttgag ggcccgtttg tccttggaga 180
 ccttcagtaa ctccatggcg cgccgctcgt acggggcaaa gccacacacc tcccgaatca 240
 tgtcccgcac gaacttgggtg tgtttggtca gacgcccgcg gcgtcgggct gtgcctgggg 300
 cttgctcaag ttcttgggtca ctttgtggnc cttgttgaag gccacgggc ataagggtag 360
 cgtaagggcc aatggctgct gctctccaaa aaacggcccg gggggggccg taaccaaata 420
 gncctaanaag tgaagtcgga tt 442

<210> 2277

<211> 255

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (30)

1565

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

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<220>

<221> misc feature

<222> (46)

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<220>

<221> misc feature

<222> (50)

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<220>

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<222> (79)

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<220>

<221> misc feature

<222> (119)

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<222> (124)

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<220>

<221> misc feature

<222> (139)

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<220>

<221> misc feature

<222> (143)

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1566

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 <222> (231)
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<220>
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 <222> (241)
 <223> n equals a,t,g, or c

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 aggaacgcgc cnccgagcna ccatcatgcc tgggcacttt gaggnaggtt tcggtgtnt 120
 ggtncaccaa ccgattcgnc canttannta acgacgtttc ggaccccttc gaggggtgctg 180
 aaggnagtca gagaacangt aaaaagaagc cgggcggggg tcggcgtttg ngggccctgg 240
 ngtcaagttg cgcac 255

<210> 2278
 <211> 335
 <212> DNA
 <213> Homo sapiens

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 <221> misc feature
 <222> (8)
 <223> n equals a,t,g, or c

<400> 2278
 ttttagancc tggctcagga tgaacgctag ctacaggctt aacacatgca agtcgagggg 60
 catcaggaag aaagcttgct ttctttgctg ggcaccggcg cacgggtgag taacacgtat 120

1567

```

ccaacctacc ctttactcgg ggatagcctt tcgaaagaaa gattaatacc cgatgggata 180
atcattccgc atggtctgat tattaaagga ttccggtaaa ggatggggat gcgttccatt 240
aggttgttg tgaggtaacg gccaccaag ccttcgatgg ataggggttc tgagaggaag 300
gtccccaca ttggaactga gacacggtcc aaact 335

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<210> 2279

<211> 577

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (538)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (548)

<223> n equals a,t,g, or c

<400> 2279

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gtggagcaca annaaaagcc atcttggtgc aaagaggctt taaattacta tggactggca 60
gtcaatcaaa atccaggaat tgatgtctga tgatcagaga gaagcaggtc ggattccacg 120
aacaatagaa tgtgagcttg ttcatgatct tgtggatagc tgtgtcccgg gagacacagt 180
gactattact ggaattgtca aagtctcaaa tgcggaagaa ggttctcgaa ataagaatga 240
caagtgtatg ttccttttgt atattgaagc aaattctatt agtaatagca aaggacagaa 300

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1568

```
aacaaagagt tctgaggatg ggtgtaagca tggaatggtg atggagttct cacttaaaga 360
ccttttatgcc atccaagaga ttcaagctga agaaaacctg tttaaactca ttgtcaactc 420
gctttgccct gtcatttttg gtcatgaagc agcgtgcaat gttgccccac gtggcgtgta 480
tgnttgtggt aacaccacga ccacctttgg tctgacggta actctttcaa aagatagntn 540
ctntgganaa tttgcttttg gaacttgggtg cccctgg 577
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<210> 2280

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

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<220>

<221> misc feature

<222> (194)

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<220>

<221> misc feature

<222> (224)

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<220>

<221> misc feature

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<220>

<221> misc feature

<222> (338)

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<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

1569

<400> 2280

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gtggtgttg agagcgagca gttcctgacg gagctgacca gacttttcca gaagtgccgg 120
acgtcgggca gcgtctatat caccttgaag aagtatgacg gtcgaaccaa acccattcca 180
aagaaaggta ctgnggaaaag gctttgagcc cgcagacaac aagngtctgt taagagctac 240
cgatgggaag aagaagatca gcactgtggt gagctccaag gaagtgaata agtttcagan 300
ggcttattca aacctcctta gagctaacat ggatgggntg aagaanagag acaantagaa 360
caaaactnag aa 372
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<210> 2281

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (273)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1570

<222> (378)

<223> n equals a,t,g, or c

<400> 2281

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ggcacgaaaa cttctccaga gttgtccttt attaagtttc tttacagaaa ctttaattgg 60
tgccatgaat tcttgtgggg gaaagaatca taagagccat caactttttn ccttnattt 120
tagcatattc caagccctgc caagaaagta ccaagactcc ctgccacagc agcagaacct 180
gaaagcagct gtcattagta atggggaaca ttaagatact ctgtgaagggt gcaagacttc 240
aggggtggggg gggcatgggg tgggggtatg ggnaacattg gaggatggga tatctggggn 300
taattttaaa ggtttacctg ttatgtaatt tttaatgggn actnggcatg gggcccgggt 360
tgcttttccg ggtnccttngg gaaa 384
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<210> 2282

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (436)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (454)

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<220>

<221> misc feature

<222> (519)

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<220>

<221> misc feature

<222> (520)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (533)

<223> n equals a,t,g, or c

<400> 2282

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ggtggagggt catgtcgagg tttaatgcat tcaaaaggac taataccata ctgcaccatt 60
tgagaatgtc caagcacaca gatgcagcag aagagggtgct attggaaaaa aaagggttgcg 120
cgggagtcac aacactaaac agaccaaagt tcctcaatgc actgactctt aatatgattc 180
```


1571

```

ggcagattta tccacagcta aagaagtggg aacaagatcc tgaaactttc ctgattcatta 240
taaaggggagc aggaggaaag gctttctgtg ccgggggtga tatcagagtg atctcggaag 300
ctgaaaaggc aaaacagaag atagctccag ttttcttcag agaagaatat atgctgaata 360
atgctgttgg ttcttgccag aaaccttatg ttgcacttat tcatggaatt acaatgggtg 420
ggggagttgg tctctnagtc catgggcaat ttcnagtggc tacagaaaaa gtgtcttttt 480
gctatgccag aaactgcaat aggactggtc ccttgatggn gggtggangg ttnttt 536

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<210> 2283

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<400> 2283

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aattcggcag agctgatagt gagcggcaga atcaggagta ccagcggctc atggacatca 60
agtcgcggct ggagcaggag attgccatct accgcagcct gctcgaggga caggaagatc 120
actcacaaca atttgtttgc ctncaaggtc ctctgaggca gcaggctctg gggcttctgc 180
tgtccttttg aggggtgtct ctgggtagag ggatgggaag gaagggaccc ttacccccgg 240
ctcttctcct gacctgcaa taaaatttat ggtccaaggg aggaaggaaa aaaaaaaaaa 300
an 302

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<210> 2284

<211> 656

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

1572

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<222> (66)
<223> n equals a,t,g, or c

<220>
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<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (611)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (620)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (635)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (652)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (654)
<223> n equals a,t,g, or c

<400> 2284
cactcactat ttnggcnaag ctggtnccgc tgcaggtacc ggtccggaat tcccgggtcg 60
accangcgt ccgnccgagc agaaccggaa ggatgctgaa gcctggttca ccagccggac 120
tgaagaattg aaccgggagg tcgctggcca cacggagcag ctccagatga gcaggtccga 180
ggttactgac ctgcggcgca cccttcaggg tcttgagatt gagctgcagt cacagctgag 240
catgaaagct gccttggaag acacactggc agaaacggag gcgcgccttg gagcccagct 300
ggcgcatatc caggcgctga tcagcgggat tgaagcccag ctgggcgatg tgcgagctga 360
tagtgagcgg cagaatcagg agtaccagcg gctcatggac atcaagtcgc ggctggagca 420
ggagattgcc acctaccgca gcctgctcga gggacaggaa gatcactaca acaatttgtc 480
tgcttccaag gtcctctgag gcagcaggct ctggggcttc tgctgtcctt tggaggggtg 540
ctttctgggt agagggatgg gaaggaaggg acccttacct ccgggtcttc tcctgacctg 600
gcaataaaaa ntatatggtg caaagggaaa aaaanaaaaa aagggcggcc gntnta 656

<210> 2285
<211> 602
<212> DNA
<213> Homo sapiens

1573

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
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aggctgccag ttattgaccc agaatcaggc aatactttgt acatcctcac ccacaagcgc 180
attctgaagt tcttcaaatt gtttatcact gagttcccca agccagagtt catgtccaag 240
tctntggaaa aactaccana ttggnaccta tgccaatatt gctatggntc gactaccacc 300
cccgtctatg tggtctctggg gatttttgta cagcatcgag tctcagccct gccagtgggtg 360
gatgagaagg ggcgtgtggt ggacatctac tccaagtttg atgttatcaa tctggcagca 420
gaaaagacct acaacaacct agatgtatct gtgactaaag ccttgcaaca tcgatcacat 480
tactttgagg gtgttctcaa gtgctacctg catgagacct ggagaccatc attaacaggc 540
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 ctcttcgnca ggangccctc ggcccccaag aaggagagaca gttctgctga agaactnaga 180
 actgggccac ccagctgacc ggaccggtca tgcccggtccg gaaacgtctt atnaagaagg 240
 aggaaagctt cgagtgcatt cacttttaggn aaggagaaaag gaattttcaa aaggcctttc 300
 ggtttagttct tccgttattg gcccgtgtgc ccaaagnncc cgggnttttt ttggggnatt 360
 aagggggcaa aaaaaggngc ccaaaggnaa ggccgnaaga aaccaggttt ttttgaaaan 420
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caccttggnn gagnaacacgg gaaaatctca tctgggtgggtg nttcacacac gncgngtatc 180
cccatggngc tgggtgtttt cttncctncc ctgtgtngta aaatgggggn cccttactgc 240
attatcaagg gaaaggaan attggcgacg tattngtcca caggaagcnc ctgcaccatt 300
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 atccgaaaatg ttctattgtg ggagcagaca atgtgggctc caagcagatg cagcagatcc 180
 cgcattgtccc ttgcggggaa ggcttgtggt gctgatgggc aagaacacca tgatgccgca 240
 aggn catttc gagggcacct ggaaaacaac ccagctntgg agaaactgct gcctcatatc 300
 cgggggaatg tgggctttgt gttcaccaag gaggacctca cttgagatca gggacatgtt 360
 gcttggccaa taagggtgcca gcttgctgcc gtgctggtgc cattgccccca tgtgaaagtc 420
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caagttctcc gtgtgggatc gngggntcc atcctggntc cgctgtccac cttccaacag 180
atttngatca gcaagcanga attntgaana aattccgggc ccctcccatc cgtccacccg 240
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cctgcttctc ttgtccgcta gtgtgacccc ccagccaagg gctgccaggg cctctttcac 120
tatggacttt gtgttctgcc attcaggcac ctgcggaact cgagtcatgc aggagctttt 180
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cggccccgcca ggccccccag gtattccagg atgcaatggc acaaaggggg agagagggcc 180
gctcgggcct cctggcttgc ctggtttcgc tggaaatccc ggaccaccag gcttaccagg 240
gatgaagggt gatccangtg agatacttgg ccatgtgccc gggatgctgt tgaaaggtga 300
aagaagattt ccggaatncc anggactnca ngccca 336
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tggggaatgg agcaaaacag tctttgaata tcgaacacgc aaggctgtga gactacctat 180
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gcctcatngg gatttggttg gtgaattggg aacagctctc cggaagagga acatncgcta 180
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gaggcccgagg acgtctactc aggtgacatc atcagtggcc tccgagatga aaccaacttc 180
acagtgatca tcaacccttc aggggtagtg atgtgggtacc tgtatcccat caagaactgg 240
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agancatgga nccttggcat gcccgaggca agtngggaag ttctctgctc cccaggctgc 360
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tatttgcact tcctggaagg aacccgggac tatgactggc tggaaccact gcttntnaat 180
cagacggtga tgtcnatana cctnttctgg ttcaggcaca gaccccagga aagcttttcg 240
ggaagccctg ctcatagaca ggtacctgtt gntgcaccca gactttctcc gatacatgaa 300
caacagggtta cttgatgtct aaacacctgn attgtgcccc ctggaatgat ataccgcccc 360
accactggng ccctcctgct gctcactgac cttccactct ttttaccag ttagttgctt 420
tttgntncat cncnanggc catgagcgtt tttcctgatc actactatta tacatcatng 480
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<210> 2296
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1591

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cacttaggag acaggagcag aatataaaga gttttgagga gacctatgac cgaaagctca 180
agaatgaact tctaaacttc cacaggctgc atgggtgtctg cctggctttg ggaatcctca 240
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 atagcattct tgtnccttnag agcctccctg gcaaacaatt accatnacac aaagccatac 240
 tttttgtgcc tcggcgagat cccagtcgag aactttggga tgggtccgnga tctggcactg 300
 atggagcaat aagctctaac tggagtagac gaagcctata cgctagaaga atttcaacat 360
 nntgtaccaa aaatgaaagc tgagacgaac atgggtttggt attgactgga tgangtcctc 420
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 tgggggtgcag aaggatcggg tggataagaa tgcgtcaacc tttgaggatg tcacccaggt 180
 gtcctctgcc taccagaaga cagtacctgt cgaagctgtg accagcaaaa caagtaacat 240
 cagagctaac tttgaaaacc tcgctaagga gaaagagcag gaggacaggc ggaaggcgga 300
 ngcngagaga gcccaacgga tggccaagga acggcaggaa caggaagagg ccaggaagaa 360
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 tgccctgcgc cgggcgacac ccagcactcg gaggaggcgg aacccgagcc cagccaggag 180
 gcagagagtg ggagctggga gagaggcgtc ccagtgtccc ccatgcaactg accagcactg 240
 ncgccctcct gacctccaag gagaacctcc catatgtcct ctgagctcgg cttcaaggcc 300
 agtggaaactt gtgccccctgt ccangcggct gcaagctttg aacacactgt cacgccccgct 360
 ttcttgtgga aggtgtgggc tatgggtcac ctggttgctg gaagaagggg cccttaccga 420
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 gtctgctcaa tctctgttgc acctgagggg gaaaaaacag ttcaactgct tactcccaaa 180
 acagcctttt tggaaattat tttttaagtg ggctcctgac aatactgtat cagatgtgaa 240
 gcctggagct ttcctgatga tgctggccct acagtacccc catgagggga ttccttctc 300

1595

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a 361

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tggcccgggg tgctcccgnc cggccgagtg attggcgagc ccacggagtc tgatggacgt 180
gttccccacc gtggtccggc tggcgggcgg cgaggttgcc ccaggacaga gtgattnacg 240
gccaaagacct tcttgccctt gctccttggg acaaccaaac atttnagacc aggatttcct 300
gatgcattat ttttgagagt ttttttgnag gnacccagtg ggaattaaag gggcaaaggg 360
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<210> 2302
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<213> Homo sapiens

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 aacgggaaac cagtattgcc cttaccgaac aataccaggc cgatgcgttt ttntgcgcgg 180
 aagacggact gatgcagccc ctgaatcagg ctttcggctcg ggccggtgcg catactgcca 240
 ccaggctgat gccgtncatc ggacttgcca ggtnaaattc ggaccggctg gcctttaagt 300
 ttgctgccag aagcgggtggc aatgcagcgg gttaagggtt gacgnctgca acgaccntng 360
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ctttttgggg gcaaggagtc ctgatgagac aattttctgc aatgacancc cncttcatct 180
gcttcacang tggagtcgcg acatcatacc agnccctgct tcctgccgct tcaccaagga 240
gaccacccan aagaatttca acantntcta tggcaccaaa ggtaactaca cctccnggnt 300
ctgggagtag tccctncagca ttcagaactc tgacaatgac ctgcccgtnt tccaaggcat 360
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gaagagaaga agaagcagga tgaactgaaa cggattgccca gagaattggc agaagatgac 180
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1603

<213> Homo sapiens

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1605

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taccacaagg cacacctacn ccccttatcc ccatactagt tattatcgaa accatcagcc 480
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tactcatgca ccttattgga ancgccaccc tancaatatc aaccattaac cttccctcta 600

1606

cacttatcat cttcacaatt ctaattctac tgactatcct agaaatcgct gtcgccttaa 660
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<210> 2307
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 aaaaccccg gcctgaagaa ataaagtaaa attaactctgg taatttgtca cggattagtt 300
 gtacaactag ttagaagttt cagaataaac atgcatttca taactgtcaa atgttctttt 360
 aattctgagt ccaaataaat tatntggtga tgttgaaana cncnttaagc nctaaaatgg 420
 g 421

<210> 2308
 <211> 502
 <212> DNA
 <213> Homo sapiens

<220>
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1607

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (147)

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<220>

<221> misc feature

<222> (165)

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<220>

<221> misc feature

<222> (173)

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<220>

<221> misc feature

<222> (186)

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<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (253)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

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<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

1608

<220>
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<220>
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 <222> (324)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (346)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (423)
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<220>
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<220>
 <221> misc feature
 <222> (462)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (468)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (488)
 <223> n equals a,t,g, or c

<400> 2308
 gcaacactaa aggacgaacc tgatctctta tactagtatc nttaatcatt tttattgccca 60
 caactaacct cctcggactc ctgcctcact catttacacc aaccacccaa ctatctataa 120
 tcctagccat ggccatcccc ttatganccg ggcagtgat tatangcttt cgntctaaga 180
 ttaaanatgc cctagcccac ttcttatcaa aangcacacc tacaccctt atccccatac 240
 tagttattat ggnaaacatn atcctactcn ttcnaccaat agccctgggc gtnagcctaa 300
 tcgcttacat tactgnaggg cacntactca tgcacctcat tggaancgtc ccctacaata 360
 tcaatcatta aacttcacct tacacttate tcttcacatt ctattctaac ttaatatcct 420
 aanaaattcc ttttcncttt attccaagcc caactttttc cnactttntt cttaaaccct 480
 ttacttttncg aaaaaccttt tt 502

1609

<210> 2309

<211> 283

<212> DNA

<213> Homo sapiens

<220> .

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<400> 2309

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gcgggaagcc ttccagagtg tgggtgctgcc ggcctttgag aagagctgcc aggccatggt 60
ccagcaaatc aatgatagct tccggctggg gacacaggaa tacttgcagc agctagaaag 120
ccacatgaag agccggaagg cacgggaaca ggaggccagg gagcctgtgc tagcccagca 180
agcccatatc ctgcagctgc tgcagcaggg ccacctcaat caggccttnc agcaggcgct 240
gacagctgct gacctgaacc tgggtgcttgt atgtgtgtga aat 283
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<210> 2310

<211> 514

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (241)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

1610

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (484)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (512)

<223> n equals a,t,g, or c

<400> 2310

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gcagcattcg ggccgagatg tctcgctccg tggcctgagc tgttctcgcg ctactctctc 60
tttctggcct ggaggctatc cagcgtactc caaagattca ggtttactca cgtcatccag 120
cagagaatgg aaagtcaaat ttcctgaatt gctatgtgtc tgggtttcat ccatccgaca 180
ttgaagtga cttactgaag aatggagaga gaattgaaaa aagtggagca ttcagacttg 240
nctttcagca aggactggtc tttctatctc ntgnnctaca ctgaattcac cccactgaa 300
aaaagaatga agtattgcct ggccgtgtga accatgggtga ctttttcaca agccaaaagat 360
agtnaantgg gaancaagac atgttaagca gcatcatgga aggtttgaag aatccccatt 420
tggaattgg atgaattccc aaattcttgc ttgcttggct ttttaanaaa tggnaancct 480
attncacttt aacactttta ttgccccaaa antg 514
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<210> 2311

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

1611

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (149)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (172)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (434)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<400> 2311

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ccttcactaa gggacaaaagc tggngctcca ccgcggtggc ggccgctcta gaactagtgg 60
atcccccggg ctgcaggaat tcggcacgag cgaagcgggg gctgccccag tcaactgcagg 120
acgccgaccg cctgcgccgc tccccactnc tgcggggccg nccccgccag gnccacctgc 180
ctctgctgcc gccctccaac tctactggg ccggccacac ccccgagcag cactagtcct 240
gcctggtggc cctgggagcc aggatgggac caaagtcaag gcctggggca tggctgagta 300
ccccagacgt ctggtccagg gcagacacat tnccttcaga agcccgtgtc tcagtgcagg 360
tggagccgtg gggacagcgt gaaggtgtct ccagccaggc cccaggcact ggaggccctg 420
ggtcttcccc cagncacanc cagtaggtgt ggaggataaa ggcttctgtg g 471

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<210> 2312

<211> 387

<212> DNA

<213> Homo sapiens

1612

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<400> 2312
ggtntgcatg tcatacgcgt tccacacgcc agacaagctc agcttcatcc tggacctcat 60
gaacggtggg gacctgact accacctctc ccagcacggg gtcttctcag aggctgacat 120
gcgcttctat gcggccgaga tcatcctggg cctggagcac atgcacaacc gcttcgtggt 180
ctaccgggac ctgaagccag ccaacatcct tctggacgag catggccacg tgcggatctc 240
ggacctgggc ctggcctgtg acttctcaag aagaagcccc atgccagcgt gggcacccac 300
gggtacatgg ctccggaggt cctgcagaag ggcggtggcct acgacagcag tgccgactgg 360
ttctctctgg ggtgcatgct cttcaag 387

<210> 2313
<211> 119
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>

1613

<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<400> 2313
nnccctacgc ccgttacttt cggttttcttn ccttcctttt ttgccacgtt cgccgggttt 60
ccccgtcaag cttttaatng ggggctccct ttaggggttc caattaanng ctttacggg 119

<210> 2314
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (666)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (672)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (677)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (712)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (732)

1614

<223> n equals a,t,g, or c

<400> 2314

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nctactatcg ggaaagctgg tacgcctgca ggtaccgggc cggaattccc ggggggtggtt 60
acgcgcagng tgaccgctac acttgccagc gccctanccg ccgctccctt cgctttcttc 120
ccttcctttt tcgccacgtt cgcgggcttt ccccgtaag ctctaaatcg ggggctccct 180
ttaggggttc gatttagtgc ttacggcac ctgcaccca aaaaacttga ttaggggtgat 240
ggttcacgta gtgggccatc gccctgatag acgggttttt gccctttgac gttggagtcc 300
acgttcttaa tagtggactc ttgttccaaa ctggaacaac actcaaccct atctcggctc 360
attcttttga ttataagggt attttgccga ttctggccta ttgggttaaaa atgagctga 420
tttaacaaaa atttaacgcg aattttaaca aaatattaac gcttacaatt taggtggcac 480
ttttcgggga aatgtgcgcg gaacccttat ttgtttattt ttctaaatac attcaaata 540
gtatccgctc atgagacaat aaccctgata aatgcttcaa taatattgaa aaaggaagag 600
tatgagtatt caacatttcc gtgtcgcctt tattcccttt ttttgcggca attttgcctt 660
ccctgntttt tngcttnacc ccagaaaacg ctgggtggaaa aggttaaaaa gnattgcctt 720
gaaatatcca antttgggt 739
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<210> 2315

<211> 153

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (130)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (149)

<223> n equals a,t,g, or c

<400> 2315

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tctagatcgc gagcggccgc tctagaggat ccaagcttac gtacgcgtgc atgcgacgtc 60
atagctcttc tatagtgtca cctaaattca attcactggc cgtcgtttta caacgtcgtg 120
actgggaaan cccaaaancc gcncacnng atg 153
```

1615

<210> 2316

<211> 291

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (190)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (203)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<400> 2316

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ttactagttc tagatcgcca gcggccgntc tagaggatcc aagcttacgt acgcgtgcat 60
gcgacgtcat agctcttcta tagtgcacc taaattcaat tcaactggccg tcgttttaca 120
acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat cgccttgag cacaatcccc 180
tttcgccagn tggcgtaata gcnaagaggg ccgcaccgat cgccttccca acagttgagc 240
agnctgaatg gngaattggga cgcgccctgt agcnngcgca ttaaagccg g          291
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<210> 2317

<211> 363

<212> DNA

1616

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

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<220>

<221> misc feature

<222> (13)

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<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

1617

<400> 2317

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accggtccgg aattccccggg tcgacccacg cgtccgcccc cgcgtccggg ggttgagggg 120
caaagtagtg aagaactgta agatattcaa tatagtgtat tgatgaatta gaattgtatg 180
gaaagataaaa ccgcagaagg tgagagtcct gtataagtaa atccttacac atataacttt 240
gctcccaagt aacatggaac acgaggaatt ctgtgtgaat cagngaggac catatctnat 300
aaggctaaat actcttacta accgatagcg catagnaccg ngaggggaaag gngaaaagaa 360
ccc 363
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<210> 2318

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

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<222> (41)

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<220>

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<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (145)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

1618

<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<400> 2318
naactccttt ggaaaacncg ctactatatg naaagctggt ncgccctgcag gtaccgggtcc 60
ggaattcccg ggtcgattna cgcgttttta gatcgcgagc ggccgctcta gaggatccaa 120
gcttacgtac gcgatgcacg gacgncatag ctcttctata gtgtcaccta aattcaattc 180
actggccggtc gttttacaac gtcgtgactg ggaaaaccct gccggttacc aacttaatcg 240
ccttgcagca catccccctt tcgccagctg gcgtaatanc gaaaangccc ggaaccnatn 300
gcccttnccc aacaggttgc gcagccttga atggcggaatg ggacgcgccc tgtaagcggc 360

1619

gcattaagcgc cggcnggtgt ggtgggttacg cncagcgtga ccgctacact tgccagcgc 420
ctagcgcgccg ctcttttcna ttcttccct tcttttnt 459

<210> 2319

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (564)

<223> n equals a,t,g, or c

<400> 2319

gagatctctc tgnaaaaacnc gactcactat ttgggaaagc tggcacgcct gcaggtaccg 60
gtcccggaatt cccgggtcga cccacgcctt cgcgccattc aaaggccatt tctgttacta 120

1620

```
tcgtttggaa tacagtgtgg ccaaagccaa ggcaactggt cactgtgact ggaaattgta 180
gccctggctg attgtggtat gagactgcta atatgaattc taaaatctca ctttaatgca 240
gcaaagccta tttcttgaag tggttgggga gaaagtacag cacatgaaaa tgatagagaa 300
ttcacatttc agtgtatgta aataaagact tactggagtg cagccacact taaaaaaaaa 360
aaaaaagggc ggccgctcta gaggatccaa gcttacgtac gcgtgcatgc cgacgtcata 420
nctcttctat agtgtcacct aaattcaatt cactgggccg tcgtttacac gtcgtgactg 480
ggnaaaaccc tgcggtaccc caacttaatc cgccttgtag aacatcccc tttcgcaagn 540
tgngaatacc aaaaggcccn accnat 566
```

<210> 2320

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (222)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1621

<222> (247)

<223> n equals a,t,g, or c

<400> 2320

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cgggtcgacc cactcactgg atgctgactc tggttctctt ctgagtgtg gggtagagga 120
gattcatgaa cactcactgg atgctgactc tggttctctt ctgagtgtg gggtagagga 180
gaggagaggt ggagcacaga tcttgctttt atgagcttat gntctaggaa gnncaaacia 240
gtattnnttc agg                                     253
```

<210> 2321

<211> 195

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (126)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (184)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (190)

<223> n equals a,t,g, or c

<220>

1622

<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<400> 2321
gctagttcta gatcgcgggc ggncgntcta gaggatccaa gcttacgtac gcgtgcatgc 60
agacgtcata gctnttctat agtgtcacct aaattcaatt cactggccgt cgttttacaa 120
cgttngact gggaaaaccc tggcgntacc caacttaaac gacttgcagt acattccctc 180
tttngccagn tggng 195

<210> 2322
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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1623

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ccgtttctta ctcccttatgt ttgaanagaa acntnnggng tgagatatac aaatatatatt 120
aattgngtca tattaaactt ctgatttnac aaaaaaaaaa aaaaagggcg gccgctctan 180
aggatccaag cttacgtacg cgtgcatgcg acgtcatagc tcttntatag tgtcacctaa 240
attcaattca ctggccgtcg ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca 300
acttaatcgc cttgcagcac atacccttt cgccagctgg cgtaatagcg aagaggccccg 360
caccgatcgc ccttnccaac agttgencag cctgaatggc gaatgggacg cgccctgtag 420
cggcncatta agcgcggngg gtgtggtggt tacnc 455

<210> 2323
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1624

<212> DNA
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<220>
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<222> (211)

1625

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<400> 2323

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caggtaccgg tccggaattc ccgggtcgac ccacgcgtcc gcggacgcgt gggcggacgc 120
gtgggcggac gcgtgggtca aagntggata caagaagctn tttgtactgg atgacgtga 180
ggctcataat gaggtanaac cactttgnat n 211
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<210> 2324

<211> 231

<212> DNA

<213> Homo sapiens

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<222> (52)

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<220>

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<222> (229)

1626

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<400> 2324

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ggccgctcta gaggatccaa gcttacgtac gcgtgcatgc gacgtcatag ctcttctata 120
gtgtcaccta aattcaattc actggccgtc gttttacaac gtcgtgactg ggaaaaccct 180
ggcgttaccc ancttaatcg ccttgacagca catnccccct tcnntcagnt g          231
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<210> 2325

<211> 148

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (136)

1627

<223> n equals a,t,g, or c

<400> 2325

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ctnganntcc tctggaaaac ccctcactat aggttaagct ggtacgcctg caggtaccgg 60
tccggaattc ccgggtcgac ccacgcgtnc gnaagctgac acagacctn antacgtatt 120
ctgacaacca agaggnggag attatgaa 148
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<210> 2326

<211> 142

<212> DNA

<213> Homo sapiens

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<220>

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<222> (112)

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1628

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tccccgggtcg acccacgcgt ccggggagag ttcacattat tncctttcca tnggaagngg 120
tgctggngna ttcaaatacgt tc 142

<210> 2327
<211> 155
<212> DNA
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<220>
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1629

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gcctgcaggt accggtccgg aattcccggg tcgacccaacg cgtccgccca cgcgtccgcc 120
cacgcgtncg aaaaanaaag gaanaaaaaa nanaa 155

<210> 2328
<211> 130
<212> DNA
<213> Homo sapiens

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<220>
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<220>

1630

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<220>
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<220>
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<220>
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<222> (129)
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tccggaattc ccgggtcgac ccacgcgtcc gcggacgcgt gggtcgaccc gganatctng 120
gngnggttnt 130

<210> 2329
<211> 191
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<220>
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1631

<222> (79)
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<220>
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<220>
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gcgtccggnc aatntngnng cttcttgtgg ccaacttcag agcctgtcac caggaaaggt 120
aagnatggga ggnatgaaga tccaacatat gaacanaatg tttatggttt ataagagaac 180
tctcagnncc c 191

<210> 2330
<211> 216
<212> DNA
<213> Homo sapiens

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<220>
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1632

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<220>
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<220>
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<222> (201)
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<222> (206)
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<220>
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<222> (214)
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ccggtccgga attcccgggt cgaccacgc gtncgcagaa agggagacca tttcatctct 120
tcagggaaca atccctggga atgtacttat tcattatggc ataaaagcag tngtataaat 180
acattcccag ggattgntcc nagaanggga gacnat 216

<210> 2331
<211> 309
<212> DNA
<213> Homo sapiens

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<220>
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<222> (20)
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<220>
<221> misc feature

1633

<222> (118)
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<220>
<221> misc feature
<222> (128)
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<220>
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<222> (171)
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<220>
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<222> (220)
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<220>
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<222> (222)
<223> n equals a,t,g, or c

<220>
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<222> (266)
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<220>
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<222> (278)
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<220>
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<222> (305)
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accggtccgg aattccccgg tcgaccacg cgtccgggca tttctgaagt gcactttntt 120
gaaacatnat tttgctaact ctcagcagtg tctaattaaa ctgagcaata nttttgtgaa 180
ttttaattaa tctcagcaaa accatgatgg gagagagtcn tntgatggaa atgtagtccc 240
tggattatgt gtaaccctttt tattgntcct agatgcanag gatagaaaag catttttttg 300
tgcantggt 309

<210> 2332
<211> 158
<212> DNA
<213> Homo sapiens

1634

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<222> (141)
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<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
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<222> (146)
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<220>
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<222> (149)
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<400> 2332
ggactagttc tagatcgcca gcggccgctc tagaagatcc aagcttacgt acgcgtgcat 60
gcgacgtcat agctcttcta tattgtcacc taaattcaat tcaactggccg tcnttttaca 120
acgtcgtgac tgggaaaacc naacnncang cccttcat 158

<210> 2333
<211> 219
<212> DNA
<213> Homo sapiens

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<220>
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<222> (16)
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<220>

1635

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<222> (50)
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<220>
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<222> (53)
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<400> 2333
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attccccgggt cgacccacgc gtccgactag ttctagatcg cgagcggccg ctctagagga 120
tccaagctta cgtacgcgtg catgcgacgt catagctctt ctatagtgtc acctaaattc 180
aattcactgg ccgtcgtttt acaacgtcgt gactgggaa 219

<210> 2334
<211> 160
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<222> (158)
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<222> (159)
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<220>
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<222> (160)
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gtacgcgtgc atgcgacgtc atancctctt tatagtgtca cctaaattca attcactggc 120
cgtcgtttta caacgtcgtg actgggaaac caaaanannn 160

<210> 2335

1636

<211> 154

<212> DNA

<213> Homo sapiens

<220>

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<222> (145)

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<220>

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<220>

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<222> (152)

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<222> (153)

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<220>

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<222> (154)

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<400> 2335

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ggactagttc tagatcgcca gcggccgctc tagaggatcc aagcttacgt acgcgtgcat 60
gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcaactggccg tcgttttaca 120
acgtcgtgac tgggaaaacc caaanagaaa nnnn                               154
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<210> 2336

<211> 143

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (11)

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<220>

<221> misc feature

1637

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<222> (23)
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<220>
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<222> (27)
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<222> (109)
<223> n equals a,t,g, or c

<220>
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<222> (112)
<223> n equals a,t,g, or c

<400> 2336
gntagtttcta natchncgagc ggncgancna gaggatccaa ncttangtac gcgtgcatgc 60
gacntcatag ctctnctatc atgtcaccta aattcaattc actggccgnc gntttacaac 120

1638

gtcgtgactg ggaaaacgaa tgt

143

<210> 2337

<211> 246

<212> DNA

<213> Homo sapiens

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<222> (3)

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<222> (4)

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<220>

<221> misc feature

<222> (243)

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<220>

<221> misc feature

<222> (244)

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1639

<220>
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<222> (245)
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gtaccgggtcc ggaattcccc ggtagacca cgcgtccgga ctagtcttag atcgcgagcg 120
gccgctctag aggatccaag cttacgtacg cgtgcatgag acgtcatagc tcttctatag 180
tgtcacctaa attcaattca ctggccgctg ttttacaacg tcgtgactgg accccaaaaa 240
nnnnna 246

<210> 2338
<211> 95
<212> DNA
<213> Homo sapiens

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<220>
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<222> (10)
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<220>
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<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
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<220>
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<222> (34)
<223> n equals a,t,g, or c

<400> 2338
ntgattacgn nntctcaa atcgagtcact atanggaaag ctggtacgcc tgcaggtacc 60
gtccgggaat tcccgggtcg acccacgcgt ccgct 95

<210> 2339
<211> 110
<212> DNA
<213> Homo sapiens

1640

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

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ggtacgcctg caggtaccgg tccggaattc ccgggtcgac ccacgcgtcc 110

<210> 2340
<211> 151
<212> DNA
<213> Homo sapiens

<220>
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<220>
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1641

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ccgggtccgga attcccgggt cgaccacgc gtccgggggt ttagtcgtga tttttttttt 120
ttnnccnggt tgnngtcctt tttaagcaan a 151

<210> 2341
<211> 159
<212> DNA
<213> Homo sapiens

<220>
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<222> (150)
<223> n equals a,t,g, or c

<220>
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<222> (156)
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<220>
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<222> (157)
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<220>
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<220>
<221> misc feature

1642

<222> (159)

<223> n equals a,t,g, or c

<400> 2341

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tacggtgca tgcgacgtca tagctcttct atagtgtcac ctaaattcaa ttcactggcc 120
gtcgttttac aacgtcgtga ctgggaccn aaaaannnn 159
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<210> 2342

<211> 138

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (133)

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<220>

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<222> (134)

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<220>

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<222> (136)

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<220>

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<222> (137)

<223> n equals a,t,g, or c

<220>

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<222> (138)

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<400> 2342

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gatcgcgagc ggccgctcta naggatccaa gcttacgtac gcgtgcatgc gacgtcatag 60
ctcttctata gtgtcaccta aattcaattc actggccgctc gttttacaac gtcgtgactg 120
ggaaacccaa aanntnnn 138
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<210> 2343

<211> 175

<212> DNA

1643

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

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<220>

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<222> (160)

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<220>

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<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (169)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<400> 2343

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gcagggtagg tacaaaaacc tcccgtggta ncaaaagggc ggccgctcta aaagatccaa 60
gcttacgtac gcgtgcatgc ggacgtcata gctcttctat agtgtcacct aaattcaatt 120
cactggccgt cgttttacaa cgtcgtgact gggacccccc aaatnggngg gggnt      175
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<210> 2344

<211> 584

<212> DNA

<213> Homo sapiens

<220>

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<222> (61)

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<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

1644

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<222> (548)
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<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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nlnataaaaa aaagggttcag tatttttcttt ttagtataac ttacatcctt tcaaataagt 120
cttttgccctc atgaagaatc cctagaggaa gataaggaaa ataagtattt tccagttttg 180
cttgacagtt tctaaacaaa caaaaataaa ctcaatgaaa ggaaagatgt ttcttttttag 240
ctgagatgac agattgcttc tctgtattaa atagtctaga agttaagggg atggtcacat 300
ttaccatgta ttgtgttatt agcagttaaa ttttatgaat atgtttgtaa aattgtttgtt 360
ttatatatttca tgtcaaatgt aaaagtttat ttctttcacta ttgtacctgt ggaaatacaa 420
gccatttttac aggaaaaaat cttcaaaaac tattaaatgg atatcagcct gttaaaaaaaa 480
aaaaaaaaagg gcggccgctc tagaggatcc aagcttacgt acgcgtgcat gcgacgtcat 540
agctcttnta tagngtcacc taaattcaat tnactggccc gnng 584

<210> 2345
<211> 438
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (24)

1645

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

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<222> (97)

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<220>

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<222> (155)

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<220>

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<222> (165)

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<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (259)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (261)

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<220>

<221> misc feature

<222> (274)

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<220>

<221> misc feature

<222> (327)

<223> n equals a,t,g, or c

<220>

<221> misc feature

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1646

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<220>
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<220>
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<222> (422)
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<220>
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<222> (436)
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tacgccaagc tctaatacga ctactatag ggaaagntgg tacgcctgca ggtaccggtc 120
cggaattccc gggtcgaccc acgcgtccga ctagncttag atcgngggcg gccgctctag 180
aggatccaag cttacgtacg cgtgcatgcg acggcatagc tcttctatag ngacacctaa 240
attcaattca ctggccgtng ntttacaacg acgngactgg gaaaaccctg gcgttaccca 300
acttaatcgc cttgcagcac atccccnttt cgccagctgg cgtaatagcg aagaggcccg 360
naccgatcgn cttgcccaaca ggtgcgacgn ctgaatggcg aaggggacgcg ccttggagcg 420
nggcattaag cgcggnngg 438

<210> 2346
<211> 168
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
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<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

1647

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<400> 2346
ggacgcgtgg tttnacccac gcgtacnaca gcggccgctg tagaggatcc aagcttaccg 60
tacgcgtgca tgccgacgnc atagctcttc tatagtgtca cctaaattca attcactggc 120
cgtcgtttta caacgctcgtg actgggaaaa cccagacann tnattnat 168

<210> 2347
<211> 575
<212> DNA
<213> Homo sapiens

<220>
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<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
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<220>

1648

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<220>
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<222> (548)
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<222> (550)
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<220>
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<222> (561)
<223> n equals a,t,g, or c

<220>
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<222> (569)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (571)
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gactcactat antgattngc tggtagcgct gcaggtagcg gtccggaatt cccgggtcga 120
cccacgcgct cgccccacgcg tccgtttaat ttgtacttaa aatacatatt actaatcata 180
ttgatttttaa atatgacaaa ttcttctagt agataactaat ctttcttggt tatcatattg 240
tcctagagaa gcctaggtaa aaatggggtc cacctagtct gtttgtataa caccttcccc 300
cgtccccctct ccatccctgc caattggggt ctatgcata tgacaagcaa ataagaaaac 360
cttaggtttc ttgtatttga atttccaaaa caataaaagg ttttgactca agatttgcac 420
tcaagaagag gcagaaaatt tgtcttatct ttttatcatt ttgtgaactt gtgtttctct 480
gtatgcttag aaaattttac acacaaggaa tgtttgaaaa agtgagaatt ttagagtgtc 540
tgggtggntn tatgtggcag ngctgatgng ntagg 575

<210> 2348
<211> 188
<212> DNA
<213> Homo sapiens

<220>
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<222> (3)
<223> n equals a,t,g, or c

1649

<220>
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<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

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<222> (58)
<223> n equals a,t,g, or c

<220>
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<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
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<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
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<222> (187)
<223> n equals a,t,g, or c

<400> 2348
ggnaagacag nttatcncca tgattacgcc aagctctaata acgactcact atagggantn 60
gttggtacgc ctgcaggtac cggtcaggaa ttccccgggtc gacccacgcg tccgctaagt 120
ctgatcgcat tgtgaatgaa acttagatctt gaaaacagct cctaggatnc ctgncagcnc 180
ctgnagna 188

1650

<210> 2349
<211> 168
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
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<222> (14)
<223> n equals a,t,g, or c

<220>
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<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
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<222> (155)
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<400> 2349
acataatnng atcngtactc actcatgacc atgattacgc caagctctaa tacgactcac 60
tatatngatt ngctggtagc cctgcaggta cgggtccgga attccccgggt cgacccacgc 120
gtccgaatat ttgttgctgg aataaatgaa tganntaaaa aaaaaaaaa 168

<210> 2350
<211> 379
<212> DNA
<213> Homo sapiens

<220>

1651

<221> misc feature
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<222> (21)
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<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

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<222> (72)
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<220>
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<222> (271)
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<220>
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<220>
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<222> (373)
<223> n equals a,t,g, or c

<220>
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<222> (376)
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<220>
<221> misc feature

1652

<222> (379)

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<400> 2350

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actataggga anagctggta cgcctgcagg taccgggtccg gaattcccgg gtcgaccac 120
gcggtccgact gacgtgaaga aaatatgccca ttgtttattc cctcctgcat catttccata 180
atttgctttt gtactgtcaa tttagaggaa atgtgtgatg ctggtgtttt gtttggcctg 240
tttgtttgat gctgggggtt ttatgtgttg naccctttac cccttacatt gngtaatttg 300
aaagtggcaa acaaacctgc agtaaaagtc cttgattggc atcttcattc ggatgatgga 360
gagcctttgn ggnagnngn 379
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<210> 2351

<211> 224

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

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<220>

<221> misc feature

<222> (14)

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<220>

<221> misc feature

<222> (16)

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<221> misc feature

<222> (94)

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<220>

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<222> (101)

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<220>

<221> misc feature

<222> (121)

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1653

<220>
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<222> (137)
<223> n equals a,t,g, or c

<220>
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<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<400> 2351
cntaagggga atcngnnaac agccatgacc atgattacgc caagctctaa tacgactcac 60
tatagggaaa gctggtacgc ctgcaggtag cggnccggaa ntcccgggtc gacccacgcg 120
nccgcccacg cgtccgntcc tatgaccaca aagggccgna agaaatattt ttacactaa 180
aatacacttg ggtaccactt gnattttagn gttaaataaaa agat 224

<210> 2352
<211> 440
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
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<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

1654

<220>
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<222> (83)
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<220>
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<222> (160)
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<220>
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<220>
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<220>
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<222> (334)
<223> n equals a,t,g, or c

<220>
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<222> (431)
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<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

1655

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

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gactcactat anggaaagct ggnacgcctg caggtaccgg tccggaattc ccgggtcgac 120
ccacgcgtcc gatcattttg ctcatgngtc ttttcttagn gagcacagca aaaaaatgtg 180
tntctgatca ttggacatgg catcagtagt gatgggattc actgacttgn cacacaggag 240
atctgggtta tagttcaagc tctctttctt tttctaaaat tggttatgcc atttatattc 300
tcctctgaga taaggatcta ctagaaattg ctgngttcta aactaatact tatcaaacag 360
ggttccatgg tcctaaggga accgtgcact gcacatcttc tgaggtctgg aaaatcttta 420
ggaatttcag ngngngngng 440

<210> 2353
<211> 247
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
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<222> (109)
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<220>

1656

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<220>
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<222> (127)
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<222> (140)
<223> n equals a,t,g, or c

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<222> (141)
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<220>
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<222> (176)
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<220>
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<222> (197)
<223> n equals a,t,g, or c

<220>
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<222> (212)
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<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<400> 2353
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1657

accatgattn cgccaagctc taatacgact cactatttgg aaagctggna cgcctgcagg 120
tnccggnccg gaattcccg ntcgnccac gcgtccggga gcagagagga ggcaanggcc 180
accatggaga acaaggngat ctgcgccctg gncctggngn ccatgctggc cctcggcacc 240
ctggccg 247

<210> 2354

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

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<222> (11)

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<220>

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<222> (25)

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<221> misc feature

<222> (164)

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<221> misc feature

<222> (184)

<223> n equals a,t,g, or c

<220>

1658

<221> misc feature
<222> (187)
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<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
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<222> (245)
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<222> (266)
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<220>
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<222> (277)
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<220>
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<222> (315)
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<400> 2354
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attacgccaa gctctaatac gactcactat agggaaagct ggtacgcctg caggtaccgg 120
nccggaattc ccgggtcgac ccacgcgtcc gcatggnttt cggngattta gagtttaagc 180
cagnagnngg gcgactgtac atctatcgac atggngaggt agagcatgtt tgggaggaaa 240
gacgntgaat cccatttggg gacagngagc ttgaggngct gccagaacac tgcactgaag 300
ataggaggag actgn 315

<210> 2355
<211> 197
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

1659

<220>
<221> misc feature
<222> (21)
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<220>
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<222> (22)
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<220>
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tctaatacga ctcaactat ttt gggaaagttt ggtacgcctg caggtaccgg tccggaattc 120
ccgggtcgac ccacgcgtcc gggatatttg taaaaaatat cctgcattat cttcaaaaata 180
aagaaaacacg cnannnn 197

1660

<210> 2356
<211> 139
<212> DNA
<213> Homo sapiens

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<220>
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<222> (128)
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<400> 2356
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ggtaccggnc cggaattccc gggncgaccc acgcgtccgg ctaggagccg cgcgagtcgt 120
agngacgntg aatgcgggt 139

<210> 2357
<211> 578
<212> DNA
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1661

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<220>

1662

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ggaaantttgg tacgcctgca ggtaccggtc cggaattccc gggtcgaccc acgcgtccgg 120
gtgaaagggg ggaccctacc ctcaagaacat gaggggaataa tattttacgng gctcacaaaag 180
accagtgagt acatcatatg catctntcac aactccccag aagagggcct ccagcacgag 240
tctaggctca gccttnnctg accctccgag aactctatga attgctgcca agtgntttta 300
ttttcctnag aattttcttng naatgttatt gaggggttga ggtcctttta caaatttttg 360

1663

aaataagtaa atcaaattgag aagaccatgc ttccaaacaa tcattctggt taacagatcc 420
cctngattta atgcaattat gaatgcgtta gnggtagtgt agtttaagan ctttcctngg 480
atgnacangc tttaagaaac caacctagga gnggattttc tataagnaat gggctctaaga 540
ctttacgctt tacacatcaa tgatatacgc tggctttt 578

<210> 2358

<211> 166

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (14)

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<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

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<222> (139)

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<220>

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<222> (140)

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<220>

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<222> (143)

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<220>

<221> misc feature

<222> (165)

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cgactcacta tagggaaagc tggtagcct gcaggtagcg gtccggaatt cccgggtcga 120
cccacgcgtc cgaaaaanann aanagaacct taaaaaacta gaganc 166

<210> 2359

1664

<211> 369
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<220>
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<222> (324)
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<220>
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<222> (345)
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<222> (349)
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<220>
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tagggaaaann tggtagcct gcaggtagcg gtccggaatt cccgggtcga cccacgcgtc 120
cgaaagtttt aagtcctggg ttttcagact actgtgtagc agctgtgtgt ttaacatact 180
gtagcttttt ctcccttggg ggcacataca aataggatgt gttgatgtgg actctaaact 240
gtaattttcc tgtaactatt ttggaatgat gcataatttct aatgtttgtt atacttgtac 300
agagtattgc tgnrtggttgc tttntttttt ttttaaggaa aaaanggcnt gaaaacnttt 360
ttttaaaga 369

<210> 2360
<211> 185
<212> DNA

1665

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

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<220>

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<222> (137)

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<222> (155)

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<220>

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<222> (176)

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<220>

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<222> (177)

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<400> 2360

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gactcactat agggaaaagc ggtacgcctg caggtaccgg tccggaattc ccgggtcgac 120
ccacgcgtcc gggcctntga aaataaggaa gcatnggagc tatagccatg tagagnnang 180
ggcta                                     185
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<210> 2361

<211> 404

<212> DNA

<213> Homo sapiens

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1666

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<220>

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<220>

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<222> (402)

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<220>

<221> misc feature

<222> (403)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

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<400>, 2361

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accgggtccgg aattcccggg tcgacccacg cgtccgaaat aaccttttgt ggtcactgta 120
aaattaatat ttggtagaca gaatccatgt acctttgcta aggttagaat gaataattta 180

1667

ttgtattttt aatttgaatg tttgtgcttc cgttttgttt ctgctcagta atatagtcaa 240
gcaagtttgt tccaagtgac ccattgagct gtgtatgcat ttttgtttat ttcaataaaa 300
tatatttgta ttatttgtcc ttcatactat ccattccatac cacactatct tctgtatcag 360
gtagtctaag agaaatatac ctgttttgtt ctaaaaaaan nnnn 404

<210> 2362

<211> 561

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (426)

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<220>

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<222> (522)

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<222> (526)

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<220>

<221> misc feature

<222> (534)

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<220>

<221> misc feature

<222> (549)

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<220>

<221> misc feature

<222> (558)

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<400> 2362

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aactaccacg atgtgccttt ctgaatatta cccaattact ccaggaagtg agcataaata 120
taactgccat tctttatttaa catttttatgc ctatgccatt ttcaactagt tatgcggtga 180
ctaatttttag ttgttttaggc cccaagtact atatttgaat aatattccat gtttttaaca 240
tgaagaaatg ctactagttc tagatcgcca gcggcgcctc tagaggatcc aagcttacgt 300

1668

```
acgcgtgcat ggcacgtcat agctcttcta tagtgtcacc taaattcaat tcaactggccg 360
nCGTTTTaca acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat cgccttgag 420
cacatncccc tttegcagct ggcgtaatag cgaaaaagcc cgcaccgac ggccttccaa 480
caagttgcgc agcctgaatg gggaatggga cgcgcctgt ancgngcat taancgccg 540
gggtgtggng ggtaccnca a 561
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<210> 2363

<211> 513

<212> DNA

<213> Homo sapiens

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<220>

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<222> (337)

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<220>

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<222> (338)

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1669

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<220>
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<220>
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<400> 2363
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cacctcgtga gtctctggaa agcagggctcg gcctctgaat acagaggact tgggtcctgc 120
cggaggatgc ttggccagtg ggtgctggca cgtgagcagc ccccggggag tcagagtggg 180
gctgcagcga aggccgtggt ggtcgagggtg aggggtgggtg ccaggtcttg ttgccgcagt 240
gaggattctg gggttaccct aagagccacc acattcaggc actcaagaaa aagcacgtca 300

1670

```
aaataaaata ttttcacctg aaaaaaaaaan nnnnnnnnnn aaaaaaaaaa gggcggccgc 360
tctanaggat ccaagcttac gtacgcgtgc atgcgacgtc atanctcttc tatagtggca 420
cctaaattca attactggcc gcgttttaca acgtcngact gggaaaaccc tggngttacc 480
caacttaatc gccttgganm aaatnccctt ttg 513
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<210> 2364

<211> 464

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (166)

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<220>

<221> misc feature

<222> (259)

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<222> (317)

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<220>

1671

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<220>
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<220>
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<220>
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1672

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<222> (433)

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<220>

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<222> (457)

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<400> 2364

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ctgtatagct atagtggctc cttatgtata tttagattta cttacagctt gaaagtaatg 120
aacaacttgc atgaattagt ttnttgtacc acacatttta ttgttngtag gctactctcc 180
ctgaaaaaca attattttcag gaatgtattc attgtggtac ttttagaaaat gattattttgt 240
gaagttaata ctcatattnt ttaccttatt tnatttttat tctgaataaaa ataatatgga 300
gattcttacc ncaaaannna nncannaagt nanaannacc ctcccanaag ggcgggcgcgcn 360
ctanaagatc caagcttacg tacgcgtgca tgcaacgtca taactcttct atagtgtccc 420
taaattcaat tcnctgggcc gtcgttttac aacgtcntga ctgg 464
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<210> 2365

<211> 279

<212> DNA

<213> Homo sapiens

<220>

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<222> (2)

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<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

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<222> (28)

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<220>

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<222> (29)

1673

<223> n equals a,t,g, or c

<220>

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<222> (33)

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<220>

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<222> (101)

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<222> (117)

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<220>

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<222> (133)

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<220>

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<222> (137)

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<220>

<221> misc feature

<222> (143)

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<220>

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<222> (154)

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1674

<220>
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<222> (155)
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<220>
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<222> (168)
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<220>
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<222> (175)
<223> n equals a,t,g, or c

<220>
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<222> (210)
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<220>
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<222> (240)
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<220>
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<220>
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<220>
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taccggtccg gaattcccgg gtcgaccac gcgtccggag nactgntggg anngggnttg 120
tgaggtggca tcntgcncgt atnagggacc catnntgaat ttctgtgngg gatangagtt 180
gaacaaagta gcaaaacaaa ggcaagtgan tatatgaaag attagaagca ctggaataan 240
caggctnttt aaagtganga aattancaat gaaaaagca 279

<210> 2366
<211> 243
<212> DNA

1675

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

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<222> (15)

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<222> (119)

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<220>

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<222> (131)

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<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (196)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (205)

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1676

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<222> (218)
<223> n equals a,t,g, or c

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<222> (229)
<223> n equals a,t,g, or c

<400> 2366
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caggtaccgg tccggaattc ccgggtngac ccacgcgtcc gtggaaatct gtcctccana 120
atccaggcca naaagttcac agtcaaattgg ggaggggtat tcttnatgca ggagacccca 180
ggccctggag gctgcnacat acctnaatcc tgtcccangc cggatcctnc tgaagccctt 240
ttt 243

<210> 2367
<211> 178
<212> DNA
<213> Homo sapiens

<220>
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<222> (2)
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<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
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<220>
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<220>
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1677

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<220>

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<222> (146)

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acgcctgcag gtaccggtcc ggaattcccg ggctcgacca cgcgtccggt aaaacctgga 120
taatcagngt atgttgaccc agaggnagca tnggnntttt aactgcaaaa aatgatgg 178

<210> 2368

<211> 139

<212> DNA

<213> Homo sapiens

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1678

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gcctgcaggt accggtccgg aattccccggg tcgacccacg cgtncgattn tatgnctttg 120
tggctnctac agtaactna 139

<210> 2369
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1679

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cgggtccggaa ttccccgggtc gacccacgcg tccggggctg agtgntcttg gattnctcta 120
gaggctggca agaaccagggn ggttttgnct tgcgggtctg gacagggggtt ggaaaggcca 180
anccccga 187

<210> 2370
<211> 367
<212> DNA
<213> Homo sapiens

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1680

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<220>

1681

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<220>
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1682

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<222> (339)

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<220>

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<222> (367)

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<400> 2370

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cccgggtcga cccacgcgtc cgatagtaaa gactgntctg tggatgggag tgnntaatac 120
attatatatt ttgtacagag antacaggcc nt nngatnta ttaaaatcag nagatgntng 180
gcctaattct tagcantant naganntttg cgccagaact ttgttgngca cgctttntgn 240
gatcngcggt aaaaacctgc atagccaaca ttgnagatag aacttaaant agatattcaa 300
ataaatat tt aattttttta attgatcttg tataatcana tgccccttna agcattatta 360
tagaagn 367
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<210> 2371

<211> 239

<212> DNA

<213> Homo sapiens

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<220>

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<222> (40)

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<220>

<221> misc feature

<222> (68)

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<220>

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1683

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<220>
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<222> (135)
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<220>
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<222> (157)
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<220>
<221> misc feature
<222> (178)
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<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
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<222> (233)
<223> n equals a,t,g, or c

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ctataggnaa agctggnacg cctgcaggta ccgggccgga attcccgggt cgacccacgc 120
gtccggagat antangtaat tgtattgatc tgcagangca tccatctctt ggattctnat 180
tncttctacc antgcagaac tttcacctgt aatcactttc ctttggcctt aangataac 239

<210> 2372
<211> 279
<212> DNA
<213> Homo sapiens

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1684

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<220>
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<222> (12)
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<220>
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<222> (23)
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<220>
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1685

<400> 2372

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tgaccatgat tacgccaagc tctaatacga ctactatag ggaaagctgg tacgcctgca 120
gggtaccggtc cggaattccc gggtcgaccc acgcgtccgg cccagccgt gagattccca 180
ggagtttaca cttggtgatc agnactgaac acagaccacc aacctggag ttggggctta 240
gctggattat ncttgntgct atgataaaaag gngtnaacg 279
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<210> 2373

<211> 262

<212> DNA

<213> Homo sapiens

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<220>

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<222> (36)

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<221> misc feature

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<220>

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<220>

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<222> (254)

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1686

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<220>
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ntaatcgcac tcactatagg gaaagctggt acgcctgcag gtaccggtcc ggaattcccg 120
ggtcgaccca cgcgtccgaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaanaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaan gggngntant tt 262

<210> 2374
<211> 194
<212> DNA
<213> Homo sapiens

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1687

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<220>

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<222> (155)

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<222> (168)

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<222> (178)

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atagggaaag ctgntacgcc tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt 120
tgcgctattg cgggcctnca gctcatcggt tcacntcacc cccctgcncc tccttggnctc 180
taantatgct aatg                                     194
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<210> 2375

<211> 289

<212> DNA

<213> Homo sapiens

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1688

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<400> 2375

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acgccaaagct ctaatacgac tcactatagg gaaagctgmn acgcctgcag gtaccgggtcc 120
ggaattcccg ggtcgaccca cgcgtccggn caggcctaaa gccattttat agctattggc 180
ctaattgtgt aactttttct ttcaaaatgt tttattataa tacttntgtc atttctttca 240
cttaatatgn caattgtcat aataaaaatt taaatttgaa aaaannana 289
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<210> 2376

<211> 177

<212> DNA

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1689

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tggnacgcct gcaggtaccg ggccggaatt nccgggtcga cccacgcgtc cgnaagatga 120
tatcaatanc aatgccacct gcttgaaggc tatatgtgac aagtnactag aggntca 177

<210> 2377
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<212> DNA
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1690

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<222> (173)

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<220>

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<222> (182)

<223> n equals a,t,g, or c

<220>

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<222> (193)

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<400> 2377

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tacgactcac tataggnaaa gntggtacgc ctgcnggtac cgggccggaa ttcccggggtc 120
gacccacgcg tccgtgntaa ggctgctagc cacctgtttt gctaganaca ggncgaccta 180
cnttacttga gtnccag                                     197
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<210> 2378

<211> 388

<212> DNA

<213> Homo sapiens

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1691

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1692

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<220>
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gactcactat aggnaaaagct gttacgcctg cangtaccgg tccggaattc ccgntcgac 120
ccacgcgtcc gcctttgggg tacataaaaat gtcgggttct ctgaattttt tatcgaattt 180
agaatgtctg ctacatttat ttaacttctg caaatgctta aaatgaaaac attttggaan 240
tgcgaggatt tttgtcaagc ggattgntct cttcatatat taaatgttta cttnatatct 300
ttaatccgaa acattaaaat agcattgaag aggcatgatt ttcaagatta agngngctat 360
gnantaggaa tacgctttta aagaacga 388

<210> 2379
<211> 395
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<222> (69)
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<222> (89)
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<220>

1693

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<222> (269)
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<220>
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<222> (307)
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<220>
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<220>
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<222> (387)
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<220>
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<222> (393)
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tccnttcant tattttaaata aataactgnt gtgtacaaaa aaaaaaaaaa agggcgggccg 120
ctctagagga tccaagctta cgtacgcgtg catgcgacgt catagctctt ctatagtgtc 180
acctaaattc aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa accctggcgt 240
tacccaactt aatcgccctt cagcacatnc ccctttcgcc agctggcgta atagcgaaga 300
ggcccgnaacc gatcgccctt cccaacagtt gcgcagcctg aatggcggaat gggacgcgcc 360
ctgtagcggg gcattaagcg cggnggntgt ggngg 395

<210> 2380
<211> 423
<212> DNA
<213> Homo sapiens

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<220>
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1694

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<220>

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<222> (242)

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<222> (267)

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1695

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ttccccgggtc gacccantcg tccgcttttt ctagatcgcg agcggccgct ctagagganc 120
caagcttacg tacgctgca tgcgacgnca tagctcttct atagtgtcac ctaaattcaa 180
ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac cctggcgta cccaacttaa 240
tngccttgca gnacatcccc ctttcgncag ctggcgtaat agcgaagagg cccgcaccga 300
tcgccctttc caacagttgc gcagcctgaa tggcgaatgg gacgcgccct gtagcggcgc 360
attaagcgcg gcgntgtgg nggttacgcg cagcgtgacc gttacacttg ccagaantnc 420
nag 423

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<211> 258
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1696

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ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca acttaggggg ncgggcagca 180
cancctccnt tcgccagctg gcggaagagc gaagaggngc cgcaccgatc gccctngcca 240
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<210> 2382
<211> 306
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1697

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1698

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tgcnacgtca tagctcttct atagngtcac ctaaattcaa ttcactggcc gtcgttttac 120
aacgtcgtga ctgggaaaac cctggcggtta cccaacttaa tcgccttgca gcacatcccc 180
ctttcgccag ctggcgtaat agcnaaaagg cccgcaccga tcgcccttnc caacagttgc 240
gcagcctgaa tgggcnaatg gggacgcgcc ctgtaaccgg ggcattaagc ncggcggggtt 300
ggtngn                                     306
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<211> 537

<212> DNA

<213> Homo sapiens

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<222> (272)

1699

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1700

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1701

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<220>
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gcgacgttat agctattcta tagtgtcacc taaattcaat tcaactggccg tcgttttaca 120
acgtngngac tgggaaaacc ctggcggttac ccancctaat cgccttgacg cacatcccc 180
tttcgccagc tgggtgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagttgcg 240
caaactgaat ggcgaaatggg accctgccct gnaacggggc anttaagcnc ggtgggtggg 300
gngggtnccct ccaangtgan ccgttcnttg cngcgcccta cncncgntct ttngttttct 360
ncnttccttnc tcgncacgtt cgcggntttc ncgaaagctc taaatcgggg gctcccttta 420
gggttcctgat ttaaggggtt tacgggacct cgaccncaa aaacttgatt agggatgatgg 480
ttcacgtagt gggcccatag nctgatata cggtttttcg ccctttgang ttggaan 537

<210> 2384
<211> 204
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<213> Homo sapiens

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<220>
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<220>
<221> misc feature
<222> (128)
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<220>
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1702

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<222> (167)
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<220>
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tatagtgnca cctaaattca attcactggc cgtngtntta caacgtngtn actgggaaaa 180
ccctggcgtt acccaacnta atcg 204

<210> 2385
<211> 544
<212> DNA
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<220>
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<222> (511)
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<220>
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<222> (519)
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<220>
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1703

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<222> (533)
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tattaaaaaa aaaatcagag aaaatcctct gtagaaaaaa tacacaaaga acatttctac 120
agaggatttt ctctgatttt attttctttg tttctgactc taataattag ttggaaactc 180
atataaaatg agctttccta aattaaatct attttaaata aaggttatta ctattaaaaa 240
aaaaaaaaaa aagggcgggc gctctagagg atccaagctt acgtacgctg gcatgcgacg 300
tcatagctct tctatagtgt cacctaaatt caattcactg gccgtcgttt tacaacgtcg 360
tgactgggaa aaccctggcg ttacccaact taatcgctt gcagcacatc cccctttcgc 420
cagctggccg taatagcgaa gagggccgca ccgatcgccc ttcccaacag ttgcgcagcc 480
tgaatggcga atgggacgcg cccntnaacc ngcgcattna acnccgcggg gtngttgtgg 540
gtta 544

<210> 2386
<211> 212
<212> DNA
<213> Homo sapiens

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<220>
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1704

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<222> (203)
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<222> (206)
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<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
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ggtccggaat tcccgggtcg acccacgcgt ccgccagct gctccgctca gagccttttc 120
ctctccactt cctgttcaca cagggggggg cggaagtgg agggaggaag ttgggggggag 180
gcgtgtaggg gggacccatt gnntgnnngg aa 212

<210> 2387
<211> 145
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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1705

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<222> (95)
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<220>
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<220>
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cgacgtcata actcttctnt tgtgtcncct aaatncaatt cactggccgt cgttttacaa 120
cgtcgtgact gggaaaaccc aangn 145

<210> 2388
<211> 137
<212> DNA
<213> Homo sapiens

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1706

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<220>
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aattcaattc actggccgtc gttttacaac gtcctgactg gganancaaa aacnnaagaa 120
attgnaaggt cggcgcg 137

<210> 2389
<211> 162
<212> DNA
<213> Homo sapiens

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<220>

1707

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gcgacgtcat agctcttcta tagtgtcacc taaatncaat tcactggccg tcgttntaca 120
acgtcgtgac tgggaaaacc caagggngag ctgtggatch na 162

<210> 2390
<211> 155
<212> DNA
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1708

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<400> 2390

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gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcaactggccg tcgttttaca 120
acgtcgtgac tgggaacccc aaaagngggn tnnnt 155
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<210> 2391

<211> 161

<212> DNA

<213> Homo sapiens

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<222> (103)

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<400> 2391

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ttcaactggcc gtcgttttac aacgtcgtga ctgggaaaac ntntnaaaga gttgtaaaag 120
aggccntgaa ttgaatttag tganatatag aagactatga t 161
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<210> 2392

<211> 480

<212> DNA

1709

<213> Homo sapiens

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<222> (353)

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<400> 2392

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attctagcac aacaagatga aattatggaa tacaaaagtg gctccttccc atgtgcagtc 120
cctgtccccc cccgccagtc ctccacaccc aaactgtttc tgattggctt ttagcttttt 180
gttggttttt ttttccttct aacacttgta tttggaggct cttctgtgat tttgagaagt 240
atactcttga gtgtttaata aagttttttt ccaaaaaaaaa aaaaaaaggc cgggccgntc 300
tagaggatcc aagcttacgt acgccgtgca tgcgacgtat aactctttat agnggcacct 360
aaattcaatt cactgggccc gtcgtttaca cgncttgact gggaaaaccc tggngttacc 420
caacttaanc gccttggagn aaatccccct tttgccaaatt ggggtataac caaaaaggcc 480

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<210> 2393

<211> 105

<212> DNA

<213> Homo sapiens

1710

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<220>
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<220>
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<220>
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<220>
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ccctggcggtt ncccaactta atcgcccttgc agcacatccc ccttt 105

<210> 2394
<211> 476
<212> DNA
<213> Homo sapiens

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<220>
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<220>

1711

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<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<220>
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1712

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<220>
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<220>
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<222> (334)
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<220>
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1713

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<222> (436)

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<400> 2394

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ggctggtgag ccgcacgcca ggcaccgnac ccanatacga nactcgtac ctgggcagcg 120
cgcgggagcg ncaggcgcgg tccgagggcn ccagccncgg tggcagnctg gagacgcat 180
ccaagcggag cgcgcagatc ggcccgcgca ncgcctccta ctacgcttgg tcgncgcccg 240
gcanctacaa ggccggntcg tcgcaggacg accaggagga cgcgtgcgac gacgcgctgt 300
cgcnctacag cnagctggag ctgacccgcn gtngtccta tcgtggccgc tctanaggat 360
ccaagcttac gtacgcgtgc atgcgacgtc atagctcttc tatagnncn cctaaatnca 420
attcactggc cgtcgnttta caacgtcgtg actgggaaaa ccctgggggtt acccaa 476
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<210> 2395

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1715

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aatantaaca ttttaagtca cttaatgaac agttcaactt aaaagacaaa ttcagtcatt 180
gagttactag catttaaaaa aaacttttat actataaacc catgttagta taaagtgtaa 240
atgtaacaat aaaatccagc aaagtaaaaa aananaaaaa gggcggccgc tctagaggat 300
ccaagcttac gtacgcgtgc atgcgacgtc atanctcttc tatagtgtca cctaaatnca 360
attcactggc cggngnnttt acaaccgtcg tgactgggaa aaaccctggc gttacccaac 420
ttaatcgnc tttgcnngcac atccccctt ttcggcagct ggcgtaaatn gcgaaagaag 480
gcncg                                         485
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1716

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cctttngctt tacttccctt cctttctcgc caggttcagc cggctttccc cgncaaagct 180
tntaaatcgg ngggcttccc tttaggggt cccgatttta gnggcctttt acgg 234

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1717

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1718

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acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat cgccttgacag cacatncccc 180
tttcgccagc tggngtaata gcgaagaggc ccgcaccgat cgcacttccc aacagttgcg 240
cagcctgaat ggcgaaatggg acgcgccttg tagcggcgca ttaagngcgg cgggtgtggt 300
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<212> DNA

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1719

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atcccccttt cgccagctgg cgtaatagcg aagaggcccc caccgatcgc ctttcccaac 180
agttgcgcag ctgaatggcg aatgggacgc gccctgtagc ggcgcaataa gcgcggcgagg 240
tgtggnggta cccncaacgt gaccgtacac ttggcnagnng ccctaacggc ccggttcctt 300
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<210> 2399
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1720

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aaaanaaaagg gcggccgctc tagaggatcc aagcttacgt acgcgtgcat gcgacgtcat 180
agctcttcta tagtgncacc taaattcaat tcactggccg tcgttttaca acgtcgtgac 240
tgggaaaacc ctggcggttac ccaacttaat cgccttgag cacaatcccc ttctgccagc 300
tggcgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagttgcg cagcctgaat 360
ggcgaaatggg acgcgccctg tagcggcgca ttaagcgcg cggtgtggt ggttacnccg 420
cagcgtgacc cgctacactt gccagngccc taccgccccg ntccttcgct ttcttccctt 480
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<210> 2400
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<212> DNA
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<220>
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1721

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 acagttgcgc ancctgaatg gcgaatggga cgcgccctgt agcggcgcat taagcgcggc 180
 gggngtggtg ggtacgcgca gcgngaccgc tacaattgca gcgcctagcg ccgctctttc 240
 gcttcttctt tctttctcgc acgtcggcgg ttttcccgtn agctctaacg gggctcctta 300
 aggttcgatt aaggcttacg gacctcg 327

<210> 2401
 <211> 344
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 <213> Homo sapiens

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1722

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<220>

1723

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1724

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<220>
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ccatgggtttt caatacggtc aatgttctac actggcaaag aattnatgac cagtctctcc 120
catatcacaa catcacttat ncctgatttc acctanaaan gactcnattc tttgtctcat 180
gtctntncac cacatnatnt ccntnnngtn atccaatatg ccncatnang acnaattcct 240
tcctgtcaca atttgatacc cctccggcat actctatctt ggggaaaacg tcaganacaa 300
tcctgactcc gtctnaccnt anaccacnct cttggactct tttg 344

<210> 2402
<211> 444
<212> DNA
<213> Homo sapiens

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1725

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<220>
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cgacgcgtct ctttggacgc caccccaagg ctgtccctgg acgcagncgt cccagagacc 120
ccggaaccca ccagtgcctt ggacggnggt cccagcaact ttggagctgg ccgcagtgtg 180
ccagggctct tctgtgtctc cagagccctg tctgtcgtct ggagctccat ctctcctgcc 240
ccacncatna tgccagagac tgcagcctca gaccnnggg angtgctgga gccacagtgc 300

1726

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agaggtggtg cccaactcag aggaccaggg accgggcgcc gccttccagc tcagtgaanc 360
aagccctacc cagagctcan gcctgcagtt cagtggctgt cctgaacttt ggcaagaana 420
tctggagggg gcncnactgg gcat 444

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<211> 522

<212> DNA

<213> Homo sapiens

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<400> 2403

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aaagaggagc cacgagatga ggaggaagag gccaagatga aggctcctcc caaagcagcc 120
aggaagactc caggcctccc gaaggatgta tctgtggcag agctgctgag ggagctgagc 180
ctcaccaagg aagaggaact gctgtttctg cagctgccag acaccctccc tggccagcca 240
cccacccagg acatcaagcc tatcaagaca gaggtgcagg gcgaggacgg acaggtggtg 300
ctcatcaagc aggagaaaga ccgagaagcc aaattggcag agaatgcttg taccctggct 360

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1727

gacctgacag aggggtcaggt tggcaagcta ctcacccgca agtctggaag ggtgcaactc 420
cttttgggca aggtgactct ggacgttgac catgggaact gcctgctcct tncctgnagga 480
gctggtgtcc gtgggccttg nagacagtnt gacatntgag at 522

<210> 2404

<211> 168

<212> DNA

<213> Homo sapiens

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<220>

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<222> (161)

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<220>

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<220>

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<220>

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<222> (168)

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tgctgcggca gcctggggct cggggactgg ctagatctgt gagtacctgg gccccaggcg 120
gttttcccaa aggggattan ggatgtaaag gctatcttca nantgngn 168

<210> 2405

<211> 574

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

1728

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agactattac ctctactcc attctctgct cctcctcctg caggggcgat gataccacct 180
ccccccagcc ttccgggtcc tcctcgccct ggtatgatgc cagcacccca tatggggggc 240
cctcccatga tgccaatgat gggccctcct cctcctggga tgatgccagt gggacctgct 300
cctggaatga ggccgccatg ggaggccata tgccaatgat gcctgggccc ccaatgatga 360
gacctcctgc ccgtcccatg atggtgcccc ctcgggccgga atgactcgac cagacagata 420
aggatagagg ggaggcctta ttggatcggn ttatattacc tgnctgntta ccaggagatc 480
atgctgctgg gatactgagt tttntaaaca gcntanggaa nacttgggtcc ccttgtccta 540
tgaaaagaga atagtttttg aggggaanaa atgg 574

<210> 2406
<211> 483
<212> DNA
<213> Homo sapiens

<220>

1729

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<222> (457)
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<220>
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<220>
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ggccttgagc gctgagcaag caaagggtgt cctcgcggag gtgatccagg cgttctccgc 180
cccggagaat gcagtgcgca tggacgaggc tcgggataac gcctgcaacg acatgggtgt 240
ccttaagttt gctcgtttgg tcaagtccta cgaagcccag gatcctgaga tcgccagcct 300
gtcaggcaag ctgaaggcgc tgtttctgcc gcccatgacc ctgccacccc atgggcctgc 360
tgctggtggc agcgtggccg cctcctgaga gttggccctc ccttgtgcca ctgccagggg 420
aggaaaggcc ttgatgttcc agacaataat naatgcncct gtgacttana aaaaaaaaaa 480
aan 483

<210> 2407
<211> 503
<212> DNA
<213> Homo sapiens

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<220>

1730

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<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (497)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (501)
 <223> n equals a,t,g, or c

<400> 2407
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 tgaagccaga gaaaggaaaag ccaagatgac agattttgat cgtttttaaag ttatgaaggc 120
 aaagaaaatg aggaacagaa taatcaagaa tgaagttaag aagcttcaaa aggcagctct 180
 cctgaaagct tctcccaaaa aagcacctgg tactaagggt actgctgctg ctgctgctgc 240
 tgctgctgct gctgctgcta aagttccagc aaaaaagatc accgccgcna attaaaaagc 300
 tcccacccaa aagggttctg ccanaaaagc cacaggccan aaagcacgcc tgctccaaaa 360
 ctcanaaaagg tcaaaaactc caccagaaa cactctccaa agctctggca aaaaacatat 420
 tgcatacataa aattataagt cttttgactg ttanaatgta aaaaaaaaaa ggggcctcta 480
 aagacanntc ttccttntca ntc 503

<210> 2408
 <211> 632
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (7)
 <223> n equals a,t,g, or c

<220>

1731

<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
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<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1732

<222> (380)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (463)
 <223> n equals a,t,g, or c

<220>
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 <222> (519)
 <223> n equals a,t,g, or c

<220>
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 <222> (577)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (584)
 <223> n equals a,t,g, or c

<220>
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 <222> (593)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (595)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (621)
 <223> n equals a,t,g, or c

<400> 2408
 aacgcencaa taagctcgct tggngcccca ggtaccggtn cggaattccc gggtcgaccc 60
 acgcgtccgc tcatggaaaa ggagttccct ggatttttgg aaaatcaaaa agaccctctg 120
 gctgtggaca aaataatgaa ggacctggac cagtgtagag atggcaaagt gggcttccag 180
 agcttctttt ccctaattgc gggcctcacc attgcatgca atgactatct tgtagtacac 240
 atgaagcaga agggaaagaa gtaggcagaa atgagcagtt cgctcctccc tgataagagt 300
 tgtcccaaag ggtcgcttaa ggaatctgcc ccacagnttn ccccatanaa agganttang 360
 gaccnnaanc aggacacttn agcaaatgta aaaataaaat ctaactctca tttgacaagc 420
 agagaaagaa aagttaaata ccagataagc ttttgatttt tgnattgggt gcataccctt 480
 gccctcaata aataaagttc ttttttagtt ccaaaaaana aaaaaaaggg cggccgctct 540
 aaaggatcca agcttacgta cgcgtgcatg cgacgtnata gctnttctat agngncacct 600
 aaattcaatt cactggccgg nggtttacaa cg 632

1733

<210> 2409

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (135)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

1734

<221> misc feature
 <222> (196)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (213)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (289)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (294)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (306)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (308)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (319)
 <223> n equals a,t,g, or c

<400> 2409
 ncactatagg gnnaggtgga acgcccgcag gtaccgggtcc ggaattcccg ggtcgaccca 60
 cgcttttcgag cgcntttccc ctgntgacat cgacactcat acagngaaaag tatgaccctt 120
 ccctgaagcc cctgncngnt tcctatgata aagcaacttc cctgaggatc ctcaacaatg 180
 gtcattgcttt caacgngggag ttggatgact ctgaggacaa agcagtgttc aagggaggac 240
 ccctggatgg cactaacaga tggattaagc ttcaacttta ctgggggttna cttnatggac 300
 aaaggntnaa aacataactng 320

<210> 2410
 <211> 333
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (39)
 <223> n equals a,t,g, or c

1735

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

1736

<400> 2410

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gagctcccg  ctggcctttc  caaaggccac  agaggaggna  aaagcatcta  agcctcacca  60
tgaatggccc  agtggnaccc  antttgcccg  gacaggggac  cccaatagca  angctctgcc  120
tccttggccc  caattcaacc  aggcggaaac  aattttctga  aatcaacca  ntgccanggg  180
cggacaaaa  tttcagggag  gcctggatgc  tattctggtc  aaaaaccctc  cccaacaaaa  240
tacaacntgg  ccccanancc  aaaaaaaccc  gaagggccct  ggagggactn  ctgaaggcag  300
gcctaaanct  ttcttggggt  tggggcaaac  caa

```

<210> 2411

<211> 652

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (607)

<223> n equals a,t,g, or c

<400> 2411

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gggcttcaac  gacgagctgg  aagccttcaa  ggagcgtgtg  cggggccgtg  ccaagctgcg  60
catcgagaag  gccatgaagg  agtacgagga  ggaggagcgc  aagaagcggc  tcggccccgg  120
cggcctggac  cccgtcgagg  tctacgaatc  cctccctgag  gaactccaga  agtgcttcga  180
tgtgaaggac  gtgcagatgc  tgcaggacgc  catcagcaag  atggaccca  ccgacgcaaa  240
gtaccacatg  cagcgctgca  ttgactctgg  cctctgggtc  cccaactcta  aggccaagcg  300
aaggccaagg  agggagagga  ggcaggtcct  ggggacccat  tactggaagc  tgttcccaag  360
acgggcgatg  agaaggatgt  caagtgtgtg  acctgcccc  gctaccaccg  tcacctgctt  420
ccaggcccc  atgtgcccc  tttcagaaaa  cagatagatg  ccatctcgcc  cgctcctgac  480
ttctctactt  gcgctgctcg  gccagcctg  gggggcccg  cagcctcctg  gcttttctact  540
gtttcactct  cagcgccatt  aagtctctgc  ttagtcaag  gggcttctact  gctgaagccc  600
catacantat  gcaaggccgg  gtccgggagg  cagagtacca  gctgtctaca  gt

```

<210> 2412

<211> 532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (489)

<223> n equals a,t,g, or c

<400> 2412

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aggctttatc  atcgacgata  gcgtacttta  tagcggtgcc  agcctgaacg  atgtttacct  60
gcatcagcac  gataaatatc  gctacgaccg  ttatcatctg  atccgtaacc  gtaagatgtc  120
agacattatg  tttgaatggg  ttacacagaa  tattatgaat  ggccgcggcg  ttaatcgtct  180
ggatgatgtt  aatcggccaa  aaagcccggg  aatcaagaac  gatattcgtc  tgttccgcca  240
ggagctgcgt  gatgccgctt  atcatttcca  gggcgatgcc  gacaacgatc  agctttctgt  300
aacgccgcta  gtggggctgg  ggaaatcgag  tctgttgaac  aagaccattt  tccatcttat  360
gccttgtgcc  gagcagaaac  taaccatctg  tacgccatac  ttcaacctgc  cagcaatcct  420
tgtgcgcaat  attatccagt  tgctgcgcga  agggaaaaag  gtcgaaatta  ttgttggtga  480
taaaaccgng  aatgactttc  acattccgga  agatgaacct  ttcaagataa  tt

```

1737

<210> 2413
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

1738

<400> 2413

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ggcacgagct cgtncgtttg gnaggggggtt gtnccctcct tcgatgcatt ccagccttgg 60
actcattgac tccagctaata gaagatcaaa aaattgggtat agaaattatt aaaagaacac 120
tcaaaattcc agcaatgacc attgctaaga atgcagggtgt tgaaggatct ttgatagtgt 180
agaaaattat gcaaagttcc tcagaagttg gttatgatgc tatggctgga gattttgtga 240
aatatgggtgg aaaaaggga tcattgaccc aacaaagggt gtgaaganct gctttatttg 300
ggtgctgctg gtgtgggccc ctctgtttaa cctacagcag aagttttag gtccccagna 360
attcccaaag aaggagaagg ncccctggaa tgggtgcaat gggtnngaat tgggagggttn 420
gtatttgga ggtggcatnt tcct 444
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<210> 2414

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (173)

<223> n equals a,t,g, or c

<220>

1739

<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<400> 2414
tnggcgtnac ttttccggtg ccacagtcct angactcnct cctcagagcc gtgggaccgt 60
gccctcagca gcttggcacc cagactacan ctgaacgtga atcacaagcc agcaacacca 120
aggtgacaag agattngccc aaatcttgtg acaaaaactac acatgcccac cgnnccagac 180
ctgaactcct ggggggaccg cagcttctct tccnccaaaa cccaagacac gctatgatct 240
cccgncccct gagncacatg cgtggtggtg acngtagcca cgaagaccct gaggcaagtc 300
aactggacgt ggacngcn 318

<210> 2415
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

1740

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

1741

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<400> 2415
nncgccgggt ttccccgggg aaaaattttc ccccgggggg gggtccccga accccccaaa 60
ccggccgggt ctccggggcn cccggggggg gaaaaagggg gccttcntta aggaaaaaaa 120
aagggggggg ccnngcccaa tttgggccgn aatccccaaa accccaattc cggggccaag 180
gccccggaat ttccccgtgg gttcttttgg gaatccaacc ggggggggtg ggggaaaggg 240
gggaaacccc gtcggggccg tnccttgcc gtggnggggc cccattgggg ggtggaagaa 300
ccacctcaa gttactggag acctanagtc cagaatgctt gtagtgagcc aagtcagtgt 360
tctaagtatt tatttaaaac aaaagaatcn ccgttaaaan acatnn 406

<210> 2416
<211> 648
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1742

<222> (456)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (460)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (465)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (473)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (581)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (583)
 <223> n equals a,t,g, or c

<220>
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 <222> (586)
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<220>
 <221> misc feature
 <222> (624)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (647)
 <223> n equals a,t,g, or c

<400> 2416
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 ctcagacctt ggccctcctat cctatcgaag ctactgggtcc cagaccatcc tggagatcct 120
 gatgggggctg aagtcgggaga gcggggagag gccacagatc accatcaatg agattagtga 180
 aatcaccagc atcaagaagg aggatgtcat ctccactctg cagtacctca atctcatcaa 240
 ctactacaag ggccagtaca tcctcacact gtcagaggac atcgtggatg gccatgagcg 300
 ggccatgctc aagcggcttc tgcggatccg acttcaagtg tctgccttna ttcccaggga 360
 ctggaanaag aaggggggaa ntggtgacca gacactggcc actggaattg cccaagacgg 420

1743

```

gnagcagggga cttgggggct tgaatagccc aatncnggcn cccanttgga agnttcccac 480
aaaagcaact tttaagggga aaatggggct tgaggggacaa gttcaaaaaa gggataggac 540
cagggccttg gcagggggcc ccaactgggtg gcccacacc nangcnaagc ttccgggctt 600
aagaccaact ttcaaaggctc aagntgggccc caaggcccaa ggcttcnt 648

```

<210> 2417

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (478)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (481)

<223> n equals a,t,g, or c

<400> 2417

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ggctacacta gagcagagta cgagtctgag gcgaggaggag taatggcagg acaagcgttt 60
agaaagtttc ttccactctt tgaccgagta ttggttgaaa ggagtgtctgc tgaaactgta 120
accaaaggag gcattatgct tccagaaaaa tctcaaggaa aagtattgca agcaacagta 180
gtcgctgttg gatcgggttc taaaggaaa ggtggagaga ttcaaccagt tagcgtgaaa 240
gttgagagata aagttcttct cccagaatat ggaggcccaa agtagttcta gatgacaagg 300
attatttcct atttanagat ggtgacattc ttggaaaagta cgtagactga aataagtcac 360
tattgaaatg gcatcaacat gatgctgccc attccactga agttctgaaa tctttcgtca 420
tgtaaataat ttccatattt ctcttttata ataaactaat gataactaat gaaaaaanan 480
n 481

```

<210> 2418

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

1744

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<400> 2418
ggttcgggtat cgcccgtgcc ggtagcgccg ctgccaccgn tcaccatggg cccgggtcct 60
cggtcgtcgc tacctctcgt gctttgcgtg gggctcggcg cacttggtgtt ttcttcgggg 120
gccgagggct tccgcaagcg aggccctcgc gtgacggcca aggtcttctt tgatgtgagg 180
attggagaca aagatgttgg cagaattgtg attggcctct ttggaaaagt tgtgccaag 240
acagtggaaa attttgttgc tctagcaaca ggagagaaag gatatggata taaaggaagc 300
aagttttcat cgtgtcatca aggatttcat gattnt 336

<210> 2419
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)

1745

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (249)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (264)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

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1746

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 <222> (401)
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<220>
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 <222> (410)
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 tactaaccaa nacactaanc atataccaat gatggcgcgga tgtatcacga gaaagcacat 180
 accaaggcca ccacacacca cctgtccaaa aaggcctncg atacgggata atcntattta 240
 tnacncana agtttttttc ttencaggat ttttctganc cttttaccac tcnancctag 300
 cccctacccc ccaattanga aggcactngn cccaanatg catcaccccg ctaaattccc 360
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 <212> DNA
 <213> Homo sapiens

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<220>

1747

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<223> n equals a,t,g, or c

<220>
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1748

<222> (461)

<223> n equals a,t,g, or c

<220>

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<222> (468)

<223> n equals a,t,g, or c

<400> 2420

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cctaatagacc tccggcctan ccatgtgatt tcaattccac tccataacgc tcctcatact 120
aggcctacta accaacacac taaccatata ccaatgatgg cgcgatgtnn cacgagaaag 180
cacataccaa ggccaccaca caccacctgt ccaaaaaggc cttcgatacg ggataatcct 240
atttattacc tcanaaattt ttttcttcgc aggatttttc tgancctttt accactccag 300
cctagcccct acccccacat taggaaggca ctggccccca ncaagcatca ccccgctgaa 360
tcccctaaaa tccactccta aacacatccg tatttatcac atcaagaatn tcaatcanct 420
gaactcacca taatctatta gaaacaccna aancaatnat nccagcangg ttattacatt 480
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<222> (20)

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<222> (54)

<223> n equals a,t,g, or c

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<220>

<221> misc feature

1749

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<220>
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atTTTTctga gccttttacc actccagcct agccccctacc cccaatttag gagggcactg 180
gcccccaaca ggcataccccc cgctaaatcc cctaaaagtc ccactcctaa acacatccgt 240
attactcgca tcaggagtat caatcacctg agtcacccat agtctaatan aaaacaaccg 300
aaaccaaaata attcaagcac tgcttattac aatttttactg ggtctctatt ttaccctcct 360
acaagcctca nagtacttcg agtctccctt caccatttcc gacggcatct acggctcaac 420
atTTTTtgta gccacaggct tccacggact tcacgtcatt attgggtcaa ctttcctcac 480
tatctgcttc atccgccaac taatatTTTca ctttacatcc aaacatcact ttggcttcna 540
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ctatggatga agg 613

<210> 2422
<211> 391
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (317)
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1750

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<220>
<221> misc feature
<222> (369)
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<220>
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<222> (387)
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ttcacttcca ctccataacg ctccatcac taggcctact aaccaacaca ctaaccatat 120
accaatgatg gcgcgatgta acacgagaaa gcacatacca aggccaccac acaccacctg 180
tccaaaaagg ccttcgatac gggataatcc tatttattac ctcagaagtt tttttcttcg 240
caggattttt ctgagccttt taccactcca gcctagcccc tcccccccaa ttaggaaggc 300
actggccccc aacangnatc accccgctta atccctana atttccactt cctaaacaca 360
tccgtttttna tcgcatccgg gatttttctt c 391

<210> 2423
<211> 459
<212> DNA
<213> Homo sapiens

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<220>
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<220>
<221> misc feature

1751

<222> (229)
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<220>
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<222> (246)
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<220>
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1752

cagccangca accttctang taacgaacac atctacaacg ttatcgtcac agccatgcat 180
ttgttataat cttcttcata gtaataccat cataatcgga agntttggna actgactagt 240
ccccnataa tcggtgcccg atatgggggtt tccccgcata aacaaataac tctgaatctt 300
actcctctct cctaatactg gtcgatctgc tntntggagg cngacaggaa naggtgaaca 360
tctacncctt acaggaatat ccacctgaac ncgtaactac tctctcttnc taaagggttc 420
ncttttgggc tcattctcca cattcttaac ccgctacat 459

<210> 2424

<211> 747

<212> DNA

<213> Homo sapiens

<220>

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<222> (544)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (548)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (568)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (573)

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<221> misc feature

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1753

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 <222> (726)
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 ctaataactaa catctcagac gctcaggaaa tagaaaccgt ctgaactatc ctgcccgccca 180
 tcacccctagt cctcatcgcc ctcccatccc tacgcacccct ttacataaca gacgaggtca 240
 acgatccctc ccttaccatc aaatcaattg gccaccaatg gtactgaacc tacgagtaca 300
 ccgactacgg cggactaatc ttcaactcct acatacttcc cccattattc ctagaaccag 360
 gcgacctgcg actccttgac gttgacaatc gagtagtact cccgattgaa gccccattc 420
 gtataataat tacatcacaa gacgtcttgc actcatgagc tgtcccacat taggcttaaa 480
 aacagatgca attcccggac gtctaaacca aaccactttc accgctacac gaacggggggg 540
 tatntacngt caatgctctg aaatctgntg gancaaacca cantttcatg cccatcgtcc 600
 taagaattaa ttcccctaaa aatctttgaa attagggccg tntttaccta tagcaccct 660
 ctaccctct tgaacaaaaa aaaaaanaa atccnagggg gggccggccc cnttcccccc 720
 atntgntttt ttaaattccc ggggcgc 747

<210> 2425
 <211> 535
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (396)
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<220>
 <221> misc feature
 <222> (494)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (503)
 <223> n equals a,t,g, or c

1754

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

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ttttcccttat ctgcttccta gtcctgtatg ccccttttcc aacactcaca acaaaaactaa 120
ctaataactaa catctcagac gctcaggaaa tagaaaccgt ctgaactatc ctgcccgcga 180
tcctcctagt cctcatcgcc ctcccatccc tacgcctcct ttacataaca gacgagggtca 240
acgatccctc ccttaccatc aaatcaattg gccaccaatg gtactgaacc tacgagtaca 300
ccgactacgg gggactaatc ttcaactcct acatacttcc cccattattc ctagaacagg 360
cgacctgcga ctcccttgacg ttgacaatcg aattantact cccgattgaa gcccccatte 420
gtataataat tacatcacca agaagtcttg gcctccatta aactttttcc cccacattta 480
gggcttttaa aaanaaaaaat gcnattnccc cggnnaacttt cttaaanccc aaacc 535

<210> 2426
<211> 563
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

1755

<220>
<221> misc feature
<222> (558)
<223> n equals a,t,g, or c

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catcgccctc ccatccctac gcacccctta cataacagac gaggtcaacg atccctccct 120
taccatcaaa tcaattggcc accaatggta ctgaacctac gactacaccg actacggcgg 180
actaatcttc aactcctaca tacttcccc attattccta gaaccaggcg acctgcgact 240
ccttgacgtt gacaatcgag cagtactccc gattgaagcc cccattcgta taataattac 300
atcacaagac gtcttgact catgagctgt cccacatta ggcttaaaaa cagatgcaat 360
tcccgacgt ctaaaccaaa ccactttcac cgctacacga ccgggggtat actacggcca 420
atgctctgaa atctgtggag caaaccacag tttcatgccc atcgctcctag aattaattcc 480
cctaaaaatc tttgaaatag ggnccgtatt taccctatag canccctctt aaccctctta 540
gagccaaaaa aaaaannnaa aaa 563

<210> 2427
<211> 536
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
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<220>
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<222> (28)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

1756

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 <222> (457)
 <223> n equals a,t,g, or c

<220>
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 <222> (475)
 <223> n equals a,t,g, or c

<220>
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 <222> (497)
 <223> n equals a,t,g, or c

<220>
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 <222> (535)
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 tcccttacc a tcaaataaat tggccaccaa tggtagtgaa cctacgagta caccgactac 120
 ggaggactaa tcttcaactc ctacataact ccccccattat tcctagaacc aggcgacctg 180
 cgactccttg acgttgacaa tcgagtagta ctcccgattg aagcccccat tcgtataata 240
 attacatcac aagacgtctt gcaactcatga gctgtcccca cattaggctt aaaaacagat 300
 gcaattcccc ggacgtctaa accaaaccac ttccaccggg acacgaccgg ggggtatact 360
 acgggtcaat gctctggaaa tctggtggga gcaaaccaca gtttcatggc ccatcgctct 420
 agaattaatt nccccataaa atctttggaa taggggnccg tatttaccct atagnaaccc 480
 ctctancccc tctagnggcc aaaaaaaaaa aaaaaactgg gggggggccg ggaanc 536

<210> 2428
 <211> 473
 <212> DNA
 <213> Homo sapiens

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 <222> (331)
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<220>
 <221> misc feature
 <222> (341)
 <223> n equals a,t,g, or c

1757

<220>
 <221> misc feature
 <222> (348)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (423)
 <223> n equals a,t,g, or c

<220>
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 <222> (433)
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<220>
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 <222> (453)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (457)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (466)
 <223> n equals a,t,g, or c

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 tgttttagaga taaatattat ttgcaacaat attcatctca tctcaagaaa cgctcctata 120
 gggataggag aatttaaagg acctgtagggt tatgatgatt ataacgaaat aaccaaagca 180
 ggatttcaat gaccagccca caaaagtatc ctgtgtacta ctgggtggga ggtggagggg 240
 gggtgttctt aagtaagaac ccctaacatg taactctgtg gtttttatgt ttcattaact 300
 atttaattcta ccaatatgga actagggttca ntaagaagaa ngacagcnta gatccttaca 360
 tatacacacc ctttggaact ggacccaaaa ctgcattggc atgagggttt gctctcatga 420
 acntgaaact tgntctaatac agaggccttt canaacntct cctttnaacc ttg 473

<210> 2429
 <211> 315
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (13)
 <223> n equals a,t,g, or c

1758

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

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catggccagg gatgtgcaga acaccttcta cgacatcgtg gctgagctcg gggccatgga 120
gcacgcgcag gcggtggact acatcaagaa actgatgacc aagggccgct actccctgga 180
cgtgtggagc taggggcctg cctgccccac ccaccccaca gactccggcc tgtaatcagc 240
tctcctggct ccctcccgtg gtctcctggg tgtgtttggc ttggccttgg catgggcgca 300
ggcccagtga caaan 315

<210> 2430
<211> 526
<212> DNA
<213> Homo sapiens

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<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)

1759

<223> n equals a,t,g, or c

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<221> misc feature

<222> (369)

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<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

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<222> (387)

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<222> (401)

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<220>

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<222> (419)

<223> n equals a,t,g, or c

<220>

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<222> (461)

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<222> (462)

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<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (518)

<223> n equals a,t,g, or c

1760

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<400> 2430
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gattcagaga ttttccgacc ttctcccat ggggtgtgcc cacattgtca cccaacacac 120
cagcttccga ggggtacatca tccccaagga cacagaagta tttctcatcc tgagcactgc 180
tctccatgac ccacactact ttgaaaaacc agacgccttc aatcctgacc actttctgga 240
tgccaatggg gcaactgaaa agactgaagc ttttatcccc ttctccttag ggaagcggat 300
ttgtcttggn gaaggcatcg cccgtgcgga anttgntcct ctcttcacca ccaccttca 360
gaacttctnc atggncagcc ccgtggnccc agaagacatc natctgacac cccnagaang 420
tggtgtgggg caaaaaaacc ccccaacata ccagaacccg nnttcttggc cccgctgaaa 480
gggcttangg gaaagggggg caaaaggaat tccaggnca atncaa 526

<210> 2431
<211> 513
<212> DNA
<213> Homo sapiens

<220>
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<222> (353)
<223> n equals a,t,g, or c

<220>
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<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
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<222> (461)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

1761

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<400> 2431
gcttctccgc tccttctagg atctccgcct ggttcggccc gcctgcctcc actcctgcct 60
ctaccatgtc catcaggggtg acccagaagt cctacaagggt gtccacctct ggcccccg 120
ccttcagcag ccgctcctac acgagtgggc ccggttcccc catcagctcc tcgagcttct 180
cccagtgagg caagcagcaa ctttcgcggg ggcttgggag ggctggctatg gtggggccag 240
cggcatggga ggcatcaccg gagttacggg aaccagagct gctgagcccc cttgtcctgg 300
aagtggaccc caacatcagg ccgtgcgcac ccaggagaag gagcagaatc aangaccctt 360
aacacaagtt ngcctcctta taaacaaggg aacggttctt ggaccanaat acaagatgct 420
tgagagacaa gtggaagcct cctgcagnac aagaagacgg ntcgaagcaa catggccaac 480
atgttcgaan agctacntta acaacttagg ngg 513

<210> 2432
<211> 641
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (587)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (632)
<223> n equals a,t,g, or c

1762

<220> .
<221> misc feature
<222> (633)
<223> n equals a,t,g, or c

<400> 2432
gcgatcttgg ggagccacac agcccgggtc gcaggcacct ccccgccagc tctcccgtt 60
ctcgcacagc tccccgacgc gtctgctgag ccccatggcc caccgccagc tctccgccc 120
ccccagcaat ccccggtccc tgcgggtggc gctgctgctc ctgctcctgg tggccgccag 180
ccggcgcgca gcaggagcgt ccgtgggtcac tgaactgcgc tgccagtgt tgcagacact 240
gcagggaatt cacctcaaga acatccaaag tgtgaatgta aggtcccccg gacccactg 300
cgcccaaacc gaagtcatag ccacactcaa gaatgggaag aaagcttgtc tcaaccccgc 360
atcccccatg gttcagaaaa tcatcgaaaa gatactgaac aaggggagca ccaactgaca 420
ggagagaagt aagaagctta tcagcgtatc attgacactt cctgcanggt ggtccctgcc 480
cttaccagag ctgaaaatga aaaagagaac agcagctttt ctagggacag ctggaaaagg 540
acttaatgtg tntgactatt tcttacgang gttctactta attatgnatt tatttttgaa 600
aagcttggtat tttaatattt tacaatgctg gnnattttaa g 641

<210> 2433
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1763

<222> (313)

<223> n equals a,t,g, or c

<400> 2433

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aggaactttc cggaatgaca attctgctga gatgtgccgg aagtgcagca caggggtgccc 60
cagaaggatg gtcaagggtca aggattgtac gccctggagt gacatcgagt gtgtccacaa 120
agaatcaggc aatggacata atatatgggt gatttttgggt gtgactttgg ttgttccgtt 180
gctgttngtg gctgtgctga ttgtctgggt ttgcatcggc tcangttgtt gaagggaccc 240
caagtgcacg gacanggtgt gtttctggcg cttgggtctc ctangaaggn ctgggggctga 300
agacaatgct canaacg                                     317

```

<210> 2434

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (356)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<400> 2434

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gctttattcc catcctgggt tccaactata acccaaagga atttgaaagt tgtattcagt 60
attatttggg aaacaattgg cttcaacatg agaaagctcc tacagaagaa gggaaaaaag 120
agctgctggt cctaagtaac gcgaacccct cgctgctgga gcggcactgt gcctacctct 180
aagccaagat cacagcatgt gaggaagaca gtggacatct gctttatgct ggaccagta 240
agatgaggaa gtcgggcagt acacaggaag aggagccagg cccttgtagc tatgggattg 300
gacaggactg cagttggctc tggacctgca ttaaaatggg tttcactgtg aatgcntgac 360
aataanatata tcccttgncc taaaacttta tatcanntta ttggatg 407

```

<210> 2435

1764

<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1765

<222> (259)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (273)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<400> 2435

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gtcnccgtcc ccggtccgga atnccccgggt cgacccaacgc gtccgatcca ccanttatct 60
ttnaaaagcc tgccaagacc agcaaanggc cgggttcggt tnaggaagaa ctctttancc 120
naaccgaaac tgttgtgact gaatatctaa atagtggaaa tgcaaagag gctgtcaatg 180
gtgtaagaga aatgagggt cctaaacact ttcttctga gatgttaagc aaagtaatca 240
tcctgtcact agatanaanc gangaagata aanaaaaagc aagttctttg atcagnttac 300
tcaaacagga aggga                                     315
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<210> 2436

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

1766

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<400> 2436
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tattgtactc gtgaataatg atgaaggaga atggaatggc ccaccacctn aatgcaaaaag 120
gaaaaatctc taacttccaa aggtcccacc agcagttcag aaaacctacc aacagtnaat 180
gttccaacta cagaangtct cncnacttc tcagaaagcc ancaca 226

<210> 2437
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

1767

<220>
 <221> misc feature
 <222> (308)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (323)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (357)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (365)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (399)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (402)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (424)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (431)
 <223> n equals a,t,g, or c

<400> 2437
 aagtatcagg tcctgcctct gaatgtgctc ccttcccttc cagatcaaga tcacccacaa 60
 gaaccagatg cccatgctca tgggcccacc cccccgctcc accaatttct ttggcttctt 120
 gagctaaggg ggacaccctt ggctccaag ccagccttga acccacctcc ctgtccctgg 180
 actctactcc cgaggctctg tacattgctg ccacatactc ctgccagctt gggggagtgt 240
 tccttcaccc tcacagtatt tattatcctg caccaccttc actgttcccc atgcgcanac 300
 acatacanac accccaaaac acntacattg gaaagtggct tcattgaata aaaggantgt 360
 gtttnccttt ggggatctgc taagtaaggg gtaaattcnt tnttttaaaa cttcaatcct 420
 taangaagta nattctccca gaagcaaaga aaaattc 457

<210> 2438

1768

<211> 369
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (266)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (321)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (325)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (333)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (355)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (358)
 <223> n equals a,t,g, or c

<400> 2438
 ggggtggcgat ggcactgtgg gctgggtgct tggcgccctg gaggagacac ggtaccgact 60
 ggcttgcccg gagccttctg tggccatcct gcccctgggc acagggaatg accttggtcg 120
 agtctctccgc tggggggcg gctacagcgg cgaggacccg ttctccgtac tgctgtctgt 180
 ggacgaggcc gacgccgtgc tcatggaccg ctggaccatc ctgctggatg cccacgaggc 240
 tggcagtgcaga gagaacgaca cggcanacgc agagcccccc aagatcgtgc agatgagtaa 300
 ctacttgtgg cattggcatc naccnggact gancctggac ttcaccaagc accgnaanga 360
 ggaacctgc 369

<210> 2439
 <211> 251
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (3)

1769

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (176)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (186)

<223> n equals a,t,g, or c

1770

<220>
 <221> misc feature
 <222> (239)
 <223> n equals a,t,g, or c

<400> 2439
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 atccctggcg ccnacccttg ngcccccggn cctcgagccc tttaatctga cttcggagcc 120
 ctcggacnac gcncctggacc tcagcacttt cctccagcaa naccgggacg ccttcnaacn 180
 gggacncccc gaactcccc aaaaagaaacc gaaaaaccca caaagaaaac accaaggcng 240
 taccggggg c 251

<210> 2440
 <211> 367
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (303)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (330)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (344)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (351)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (361)
 <223> n equals a,t,g, or c

<400> 2440
 gtggatgcac acctctgttc ataccaaagc tggctggcag tcaactgctct ggagctaaag 60
 gtggaaagaa gtctgatcag tcaaactgta gcctggaacc attactacag cagctttcaa 120
 caagctacaa aacaatgcca gatgtgtgcc aagcttctaa tctgcttcct gcattgaggt 180
 ctttaaactg ttgtctacct tccagcttat agaaatctcc cacttatattg gaaaaaaaaa 240
 atgtcttgtg gcaagcaaca aaaattggga ctccctgctc caaaaaacat gttgggatgg 300
 ggnaattttt ctttaacagg gttgaaccn attgaaaaaa ccancctcct ngtttaattt 360
 naagaaa 367

1771

<210> 2441
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

1772

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<400> 2441
ggcagannaa agatggagat gagtttaata attcaattng ccagttatatt cttgctttca 60
atatgctgat ggacaggcct ctggaggaag ccgtcaagat caanggggca nctttgaagt 120
accttcctag cataattaat gatgtcaaac ttgtatttga tcctgttgag ctcagngtgc 180
tcttctgcaa attcattnaa agcattcctg acaaccagnt ggttcngcan aaacttaact 240
gcatgaccaa gatagtagag agcactcttt ttcnacagtc agagtgcana gaagtgctgc 300
tgccactgct gacggaccan ct 322

<210> 2442
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)

1773

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<400> 2442

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ggttgcggtc aagatggcgc tggtaggttc tgtgcgagtc ccggcgcgcg ttctgctccg 60
cgcgggggcc cggctcccgg gcgcggccct cgggcgggacg gagcggggcg ccggcgggcg 120
agacggcgcg cggcgcttcg ggagccagcg ggtgctggtg gagccggacg cgggcgcagg 180
ggtcgtgtg atgaaattca agaaccccc agtgaacagc ctgagcctgg agtttctgac 240
ggagctggtc atcagcctga gaagctggag aatgacaaga gcttccgcgg tgtnattctg 300
acctcgacc gccgggtgtn ntctcgncg gctggacctg acgganatgt gtgggaagaa 360
ccccg                                     365
```

<210> 2443

<211> 560

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (511)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (544)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (554)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

1774

<400> 2443

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ggacacccca gcaaaagtac cagcgcctac tgcattgaggt ccaagagctg acaactgaag 60
ttgaaaaaat caagacgaca gtgaaggagt cagccacaga ggagaagctg acccctgtgt 120
tgctggctaa acagctggca gccctgaagc agcagctggt tgcttccac ctggagaagc 180
tgctgggacc agatgctgca atcaacctta ccgacccga tggcgccctg gctaagcgcc 240
tactactgca gctggaagca acaaagaaca gcaaaggggg atcaggggga aaaaccactg 300
ggaccccccc agatagcagc cttgtcactt atgaactaca ttctcggcct gagcaggaca 360
aagttctctc aaagctgnca aaagtccaga acttgaaaag cgctgacag aactggagac 420
agctgtcggt gtgatcagga tgctcagaat ccctttctgc aggtctacag ggagcctgtc 480
tcatggagac tgtaaactgt tgcaagcaaa ngtgaacgcc tttaaacttg agttttggat 540
caantggang gttnggttcn 560
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<210> 2444

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<400> 2444

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ccctcactaa nggaacaaa nctggtgctc caccgcggtg gcnccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcagc agggaaaact agcttaaact tctcactcaa 120
cctgattttt gaattgcctt ctctttttat ggtggagggc aagcaattca gatctctgga 180
ttatgaattt tgtgaaacct atgatagtagc tattacttga agcctgtgtt gaagatatga 240
gttaatcttt aatgtgcttt gtgatatgta tttatttagt ctcaaactac caccaagtat 300
cattgtaggc ttgtttgcac tggattttta gcttactctc attatacaga gttattggat 360
gtatttgtat ttgaagctat attttagt atagcaagtg tactgcttat attgtagcat 420
tgtgtataaa aatctgattt agatttttgg aatgctagta tctggaaaat acccttaaag 480
tattttccag acagctgggc caagtatttc agtaattatg cttgttaact tttattattt 540
atatctcttg tgtcttag 558
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<210> 2445

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1775

<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<400> 2445
gctgctgccc tccgagtcac cgatggcgca ttggtggtgg tggactgcgt gtcaggcggtg 60
tgacagtget gcggcaggcc attgccgagc gcatcaagcc tgtgctgatg atgaacaaga 120
cgtgaacgct atcatctcca cctacggcga gggcgagagc ggccccatgg gcaacatcat 180
gatcgatcct gtcctcggtta ccgtgggctt tgggtctggc ctccacgggt gggccttcac 240
cctgaagcag tttgccgaga tgtatgtggn caagttcgnc gncaaggggg agggccantt 300
ggggcctgnc gagcggggcca agaaagta 328

<210> 2446
<211> 230
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

1776

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
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1777

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gtgaggcana ggacaggggt gacaagtttg tattgcgcag tgnttactcc agctgtggca 180
tgcangtgtc ancaagtatg atcagcaatg agngngnggt caatatactg 230

<210> 2447
<211> 547
<212> DNA
<213> Homo sapiens

<220>
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gatgaggaga tgctgttcat ctatggccac tacaacaag caactgtggg cgacataaat 180
acagaacggc ccgggatgtt ggacttcacg ggcaaggcca agtgggatgc ctggaatgag 240
ctgaaagga cttccaagga agatgccatg aaagcttaca tcaacaaagt agaagagcta 300

1778

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aagaaaaaat acgggatatg agagactgga tttggttact gtgccatgtg tttatcctaa 360
actgagacaa tgccttggtt ttttctaata cccgtggatg gtgggaattc gggaaaataa 420
ccaggtaaac cagctactca aggctgctca ccatacggnt ctnacagatt aggggctaaa 480
acgattactg acttttcttg agtaggtttt atctgaaatc aattaaaagt gnatttggtg 540
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1779

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agatggtcag tttaaagata tcagcctgtc tgactacaaa ggaaaatatg ttgtgttctt 180
cttttaccct nttganttca cttttgtgtg ccncacggag atcattgctt tcagtgatag 240
ggcanaagaa ttttaagaaac tcaactgcca agtgattggg gcttctgtgg attctcactt 300
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t 361

<210> 2449
<211> 764
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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1780

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<220>

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<222> (629)

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<220>

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<222> (745)

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gcacaaaata	ctgtcatttg	ctcaaagctg	gctgccaaat	gtttggtgat	gaaggcagaa	180
atgaatggct	caaaacttgg	gagaagagca	aaacctgaag	gggccctcca	gaacaatgat	240
gggctttatg	atcctgactg	cgatgagagc	gggctcttta	aggccaagca	gtgcaacggn	300
acctccatgt	gctggtgtgt	gaacactgct	ggggtcagaa	gaacagacaa	ggacactgaa	360
ataacctgct	ctgagcagag	gagaacctac	tggatcatca	ttgaactaaa	acacaaaagca	420
agagaaaaac	cttatgatag	taaaagtttg	cggactgcac	ttcagaagga	gatcacaacg	480
cgttatcaac	tggatccaaa	atttatcacg	agtattttgt	atgagaataa	tgttatcact	540
attgatctgg	ttcaaaattc	ttctnaaaaa	aactcagaat	gatgtggaca	tagctgatgt	600
ggcttattat	tttgaaaaag	atgttaaang	tgaatccttg	gttcattcta	agaaaatgga	660
cctgacagta	aatggggaac	aactggatct	ggatcctggc	aaactttaat	ttattatggt	720
gatgaaaaag	caccttgatt	ctcantgcag	ggnctaaaaa	gctg		764

<210> 2450

<211> 487

<212> DNA

<213> Homo sapiens

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<222> (349)

1781

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gataccttcc gagtggagtt tctggtgggc cctgtgggag gcctctcatt ttagttaat 180
cacgatttct ctctcttga gatcctctgg accttctcca tctacctgga gtccgtggct 240
atccttccgc agctatttat gatcagcaag actggggagg ccgagaccat caccaccac 300
tacctgttct tcttgggcct ctatcgtgct ttgtatcttg tcaactggnt ctggcgcttc 360
tactttgagg gcttcttga cctcattgct gtggtggccg gcgtagtcca gaccatccta 420
tactgtgact tcttctactt gtacatacaa aagtactcaa gggaaagaag ctcagtttgn 480
cagcata 487
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<210> 2451

<211> 407

<212> DNA

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<222> (56)

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<220>

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1782

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1783

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<220>
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<220>
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gcnctcntt tgacattcac ancatccacg tgtgtctgca ccttgnagtc ttacttggct 180
ttccatctga tggccccctg gtgtgtgccc tгнаacanga acnaangctc cgcctccctc 240
cgaaagccan ctccccctt gcaaccctt ctccnaaaaг caatggcana agaactnaat 300
ccccacgtga tggtgctccc tggcccataa ctggccccggg accggttnng ggaaccccan 360
ntttcttnga aaacccttgc ccacttcctg gttggtttca ggaaacc 407

<210> 2452
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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<220>

1784

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agctacacac cttcgaggtg accggccagg aaacggctgc ccagatcaag gctcatgtag 180
cctcactgga gggcattgcc ccggaagatc aagtcgtgct cctggcaggc gcgcccctgg 240
aggatgaggc cactctgggc cagtgcgggg tggaggccct gactaccctg gaagtagcag 300
gccgcatgct tggaggtaaa gtccatgggt ccctggccccg tgctggaaaa gtgagagggtc 360
agactcctaa ggtggccaaa caggagaaga agaagaagaa gacaggtcgg gctaagcggc 420
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<210> 2453
<211> 630
<212> DNA
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<220>
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1785

<222> (218)
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tggaactgggt cttttcaa at gtggtatagc agtgggtcca gtctccagct gggaatatta 180
cgcgtctgtc tacacagaga gattcatggg tntcccanca aaggatgata atcttgagca 240
ctataagaat tcaactgtga tggcaagagc agaatatattc agaaatgtan actatcttct 300
catccacgga acagcagatg ataatgtgca ctttcaaaac tcagcacaga ttgctaaagc 360
tctggttaat gcacaagtgg atttncaggc aatgtggtac tctgaccaga accacggntt 420
atccggcctg tccacnaacc acttatacac ccacatgacc cacttcctaa agcagtgttt 480
ctctttgtca gactaaaaac natgcatatg caatcctgna tcagaaatnt gaaaacctta 540
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<211> 251

<212> DNA

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<220>
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 gcacgnagnng gnntgccggt gggaggattt ggaccgttga acatnatcca cgttaatggg 180
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 ggcttaanga c 251

<210> 2455
 <211> 489
 <212> DNA
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1789

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1790

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<400> 2455

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acttcctgcc ttctntntgg ctgcgcacaa aaccatagat tgctcttctg tnaggttttg 180
aattactgat cgcacttnat cgtnttgcac cttaatgcgt nttcttatct naaatcgctt 240
atatctggng ctggcaatng ctgattatcn atgcacatga attgnctagn gaaaaatgct 300
agaacanana acaaaaaactt gcnccacccat gaaggaatac cgattccccc ccatggtaca 360
tattccaggc ccgttatctc gggcttttaa agcaaaaatt tccancccaa ataacaacag 420
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<210> 2456

<211> 375

<212> DNA

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1792

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<222> (333)

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<222> (348)

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<400> 2456

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acaaccaccc gggacttcac ccagctcaac gagctgcaat gccgctttcc caggcgctg 180
gtggtccttg ggcttcctt gcaaccaatt tgggacatca gganaactgt caaaatgagg 240
anattcctgaa cagtctcaat tatnttcgt cctggggtgg gnataccaac ccccttccc 300
cctttttcca aaaattttta ggttaaattg gcnaaaaaa acatcctntt tttcccccta 360
ccttaaanga aaac                                     375

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<211> 287

<212> DNA

<213> Homo sapiens

1793

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<400> 2457

1794

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ctctgcctcc tctccgacca cgtggacaag aggatcctgg atgctgcang ggccaatctc 120
aaagtcatca gcaccatgtn tgnngggcatn gaccacttgg ctttgatga aatcaagaag 180
cgtgggatcc gagttggcta caccacagat gtctgacag atacnaccgt cgaactcgca 240
gtctnccctgc tacttaccac ctgncgtcgg ttgncngagg ccacga 287

<210> 2458

<211> 105

<212> DNA

<213> Homo sapiens

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<220>

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<222> (55)

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<222> (70)

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<222> (78)

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<400> 2458

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tgcctactgn tgncttcntt tgatcactgt gacttccctg agctg 105

<210> 2459

<211> 500

<212> DNA

<213> Homo sapiens

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<220>

1795

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1796

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1797

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1798

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<220>
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<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
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tgcnagtggc actgctgctc ctgctcctgg tagncgctgg ccggcgcgca caggtagtgt 120
ccgtggccac tgaaactncg ctgccagtgc ttgcagaccc tgcagggaat tcacccaag 180
aacatccaaa gtgtgaacnt aaagtcccc ggacccact gcgcccac cgaagtcata 240

1799

gccacactna agaatgggag gaaagnttgn cttcaatcct gcatgccccca ttntttaagn 300
anattatcgg naaaggntgt nnaacagtgg caaattcaat tggancagaa gggagggagg 360
aaggttnaat ggtgggtgtt ngcttgnagg gagngccttn gcctttttta gggtagcaaa 420
gngggaaagg nnggtnaaag ttnggagggg ncacntggnt ttgggctaan nngnttnnag 480
gnancgttnn gnggaatntt 500

<210> 2460

<211> 104

<212> DNA

<213> Homo sapiens

<220>

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<222> (10)

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<220>

<221> misc feature

<222> (18)

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<220>

<221> misc feature

<222> (51)

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<220>

<221> misc feature

<222> (80)

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<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<400> 2460

gtcccccggn cccactncg cccaaaccgg agtcatagcc acactcaaga ntgggcggaa 60
agcttgctc aatcctgcan ccccatagt tatgaaantc atcg 104

<210> 2461

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

1800

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<220>
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<222> (341)
<223> n equals a,t,g, or c

<220>
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<222> (350)
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<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
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<400> 2461
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catgttggtta agtgttctat ccatccccac cacaccccaa cttcttcatg naagcaggtn 120
tccatcctta taacttgaga ggctgtgaat cattccatag atgtnggtct tctgctaccg 180
ntcttcacat tgcctctaca taccaggtct tcagctgcat tctaggaaac atcatatact 240
attggattgc aaatctataa ataataaag acaatggact gacaggggaa aaaagttttt 300
ttttaagttt acaaactnca atcccacttg ttggcatttc naagggggcn atactttttc 360
cttnattcca ccgttttaaag aagtttngga att 393

<210> 2462
<211> 362
<212> DNA

1801

<213> Homo sapiens

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (252)

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<220>

<221> misc feature

<222> (262)

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<222> (304)

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<220>

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<222> (307)

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<220>

<221> misc feature

<222> (316)

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<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<400> 2462

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aaggggcaaa ctcgcctgag ccctcgaagt gtgggcgctc tctccccgta ccggaaacag 120
gtggagaaaa tccgttactg catcaccaaa cttgacaggg agcttcgagg actggatgac 180
atcaaggact tgaagggtgg tcaagtagaag aattcaaggc aagangaagc gtatctatct 240
cacggcgaa cagagacttt gnactgatct gactttattg gttcttaacc caagaggtaa 300
tgantgnacc ggcaangctg tatatcgggg aacnntttct ggcatacctg ntgaagatct 360
ga 362
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1802

<210> 2463
<211> 535
<212> DNA
<213> Homo sapiens

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<222> (255)
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<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (526)
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<220>
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<222> (527)
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<400> 2463

1803

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ggacccacgc gtgacccggg ccaagtactt cattcgagat gagtttctga ggatcagcac 120
tgccagtgga gatgggcgtc actactgcta ccttcatttc acctgcgctg tggacactga 180
gaacatccgc cgtgtgttca acgactgccg tgacatcatt cagcgcacgc accttcgtca 240
gtacgagctg ctctnagaag ggaacccccca aatttaatta aagccttnag cacaattaat 300
taaaagtga acgtaattgt ncaancagtt aatcaccac catagggcat gattaacaaa 360
gcaacctttc ctttccccga atgattttgc gaaacccct tttcccttca gcttgcttag 420
atttccaaat ttaaaaagct taangggggc tacaganaaa ngaaaaaagg gcacaaaaat 480
tccctctcac tttcattaaa ataataaaac agcagccgcc aaccanntaa atgaa 535

<210> 2464

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

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<221> misc feature

<222> (96)

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<220>

<221> misc feature

<222> (113)

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<220>

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<222> (117)

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<220>

1804

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<220>
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<220>
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<220>
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<220>
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<222> (324)
<223> n equals a,t,g, or c

<220>
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<222> (327)
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<220>
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1805

<222> (361)

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<220>

<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

<400> 2464

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ggttccccggg cncccaacgg cgggtttttn tnttcntgga aggggggaaag gnggtcncga 120
agcccaggcc cgcttggttt ttggggcggg aanggaantc cccttaaggc ccgtaagtaa 180
aggcattaaa taaatggtct ttnatctttt gaagtgggat ctacaatggg ntnagcaag 240
tggtggctcn agttcctagg acttgtacaa gaaatntgga aaacttgaat tcttaggttt 300
ggataatgca gggcaaaacc antntntta acatgctcaa aggatgacag attggccaac 360
ntgttccaac antacatccg a 381
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<210> 2465

<211> 109

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

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<220>

<221> misc feature

<222> (98)

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<222> (102)

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<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<400> 2465

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gctcagcagg gagcccatg cccttcagg tgtggagagc ancctgcgtg tcaactggctg 60
ccgccagatc ttacggagcc tcccanagca caactacngt antncttcg 109
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1806

<210> 2466
<211> 393
<212> DNA
<213> Homo sapiens

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<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
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<220>

1807

<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
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<400> 2466
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tgtcttctgg cttcagtctg gaagatnccc agacacatgc taacaggatc tacaggatga 120
tcaaacttgg tctgggtatt gatgaagatg accctactgc tgatgatacc agtgctgctg 180
taactgaaga aatgccaccc cttgaaggag atgacnacac atcacgcatg gaanaagtng 240
actaanctct ggctgagggg tgacttacct gttcagtact ctacaattct ctgatagtat 300
atctcnagga tgcttttctc tatttngtgt aatattaaat agtctgatgg catgacaact 360
actttaaagg gaaagattng attctgmnta cta 393

<210> 2467
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)

1808

<223> n equals a,t,g, or c

<400> 2467

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ccgtgagggg aagegtctcc gttgggtccg gccgctctgc gggactctga ggaaaagctc 60
gcaccagggtg gacgcggatc tgtcaacatg ggtaaaggag accccaacaa gccgcggggc 120
aaaatgtcct cgtacgcctt cttcgtgcag acctgccggg aaagagcaca agaaagaaac 180
acccggactc ttccgtcaat ttcgcnggaa ttctccanaa antttttcgg aaaaatggaa 240
aaaccntttt tgccaa                                     256
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<210> 2468

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

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<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (445)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1809

<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<400> 2468
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caattcctcc tgctctcttag aagacaagat gtgtgagggc aacaagacca ctatggccag 120
ccccagctg atgcccctgg tgggtggtcct gagcactatc tgcttggtca cagtagggct 180
caacctgctg gtgctgtatg ccgtacggag tgagcggaag ctccacactg tggggaacct 240
gtacatcgtc agcnttttcgg tggcggactt gatcgtgggt gccgtcgtca tgcctatgaa 300
catcctctac ctgctcatgt ccaagtggtn antgggccgt cctttntgcc tcttttggn 360
ttccatggac tatgtggcca gcacagcgtc cattttcagn gtcttcatcc tgtgcattga 420
tcgctaccgc tctgtccaca acccntcagg taccttangt nttgtaccaa aaccngag 478

<210> 2469
<211> 574
<212> DNA
<213> Homo sapiens

<220>
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<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)

1810

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (557)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (567)

<223> n equals a,t,g, or c

<400> 2469

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tgagggtttt attctgttct ctgaatcttg gccaaaggaa agttggaagg caactgacag 120
attctgcctt ttaggtactt gaactggcag gaaatgcac aaaagactta aaggtaaagc 180
gtattacccc tcgtcacttg caacttgcta ttcgtggaga tgaataattg gattctctca 240
tcaaggctac aattgctggt ggtggtatgt taacttctaa cattttaaaa aatttcttca 300
taggaaggaa ttttttgctg cttttaatta gtttttccag gagaggaaat ttaagtatat 360
tttcaatgat ggaagtatgg ttgtatcatg aaatttgatt tatatgtata actcaatgaa 420
tttttacttc atacttgagc tgcattgttt aaagatacct ttcaagttga acagtataca 480
cttcttggtt tcaaatactg ggatttttta aaaaatttaa gtggaatnaa ttcttgcact 540
cttctaagnn ggtattncac acattcncaa aatt 574
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<210> 2470

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (352)

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<220>

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<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1811

<222> (384)

<223> n equals a,t,g, or c

<400> 2470

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tctaagaagt gctcagagag gtggaagacc atgtctgcta aagagaaagg aaaatttgaa 120
gatatggcaa aagcggacaa ggcccgttat gaaagagaaa tgaaaaccta tatccctccc 180
aaaggggaga caaaaaagaa gttcaaggat cccaatgcac ccaagaggcc tccttcggcc 240
ttcttctct tctgctctga gtatcgccca aaaatcaaag gagaacatcc tggcctgtcc 300
attggtgatg ttgcgaagaa actgggagag atgtggaata acactgctgc anatgacaag 360
cancttatna aaaagaangc tgcnaa 386
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<210> 2471

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

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<222> (191)

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<220>

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<222> (205)

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<220>

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<222> (206)

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<220>

<221> misc feature

<222> (346)

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<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

1812

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<220>
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<222> (392)
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<220>
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<223> n equals a,t,g, or c

<220>
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<220>
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<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
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<222> (412)
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<220>
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<220>
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<222> (424)
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<220>
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1813

<220>
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<220>
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 <222> (450)
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<220>
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 <222> (453)
 <223> n equals a,t,g, or c

<220>
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 <222> (454)
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<220>
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<220>
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 <222> (514)
 <223> n equals a,t,g, or c

<220>
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 <222> (516)
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<400> 2471
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 ctggaacaat ttaaccagca actttccacc accattcaag aggagttcta tagagtttac 120
 ccttacctgt gtcgggcctt gaaaacattc gtcaaagact ctggaagaag aacttataaa 180
 taaaaaaaaga ntcatagaga aagtnnttca tcgactcaca cactatgac atgttctaata 240
 tgagctcacc caggctggga ttgaaaggct ccacagaggg aagtgagagc tatgaagaag 300
 atccctactt ggtagttaaa ccctaactac ttggctggag gattgnagat aagtggaaan 360
 taatggacca gagctganga acngtgggca cncacntcnt ggnccngggag cngggngggga 420
 gctnggmnag ggacaaaagt tttccgggan tgnnggcttc caggatttgt tttccngaac 480
 caagaattga gttgaaggct ccaagtgtca catnntcac aggtttcata ccaacacagg 540
 cttcagcaat 550

<210> 2472
 <211> 440
 <212> DNA
 <213> Homo sapiens

1814

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

1815

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
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<222> (379)
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<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 2472
ggtttctccaa cagcttcagg ttcattcagta agtcctgggtt tatacagtaa aacctgacc 60
cctatatatg acccatcaa tggaacacca gcatcatcca ccatgacttg gttcagtgc 120
agccctttga cggaacanaa ctgcagcatc ctgcgattca gccaaacccc ccagtcccca 180
naagcacttg cggatatgta ccancctcgg nctntggntg ataaagccaa gctcaatgca 240
ggttggttag actnctgacg ctcgnttatg gaacanggca tncaacagga tgagcagctg 300

1816

```

ctnttacgat ttaaantntta ttgtttcttn gacttgaatn ctaaatatga tgctgtccna 360
ataaaccaac tctatgagnn agccaggtgg gccattctct tacaagaaat tgattgcaca 420
cgaggggnga aatgttagan                                     440

```

```

<210> 2473
<211> 387
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

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<400> 2473
aaggngancg ncnancctca ctaaaggga caaaagctgg agctccaccg cgggtggcggc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgagccg ctacaaccaa 120
gagacaccaa tggagatctg cctcaatgga acccctgctc tggcctacct ggcgagtgcg 180
ccccacccc tgtgtccaag tggcgcgaact ccagacctga aggtcttact caacgtggtg 240
gacaatgccc ggagtttcat ctacgtcgtc gtcattgaact acctgcccac tctggagtgc 300
tcccacctac gagcgtggcg tcaaggtgcg cctgctcatc agctgctggg gacactcgga 360
ggccatccat gcgggccttc ctgctct                                     387

```

```

<210> 2474
<211> 338
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (195)

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1817

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<400> 2474

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aattcggcac gagcacagct catgttttcc agcctgtgtg ggagcttggt ctgaagagag 60
attaagtgat agcctactta tggatcctgg agaattcttc agaaatccat gtgtaactca 120
ggtgcctatt tggttatgac aaaagatatg gctaattttt attttgaaaa gtttgaataa 180
acttagtttt ctctntttcc acttgcaaag agttttgatg atggagacta ttttcctgtg 240
tggggcacat gccttggatt tgaagagctt ttgatgctgn ttagtggaga gtgcttatta 300
actgccacag gtnactgttt gacgtggcaa tgccgttg 338

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<210> 2475

<211> 496

<212> DNA

<213> Homo sapiens

<400> 2475

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gggagcaggt ggcggttttg gctcccccat ggacatcttt gatatgtttt ttggaggagg 60
aggaaggatg cagagagaaa ggagaggtaa aaatgttgta catcagctct cagtaaccct 120
agaagactta tataatggtg caacaagaaa actggctctg caaaagaatg tgatttgtga 180
caaatgtgaa ggtagaggag gtaagaaagg agcagtagag tgctgtccca attgccgagg 240
tactggaatg caaataagaa ttcacatgat aggacctgga atgggttcagc aaattcagtc 300
tgtgtgcatg gagtgccagg gccatgggga gcggtatcagt cctaaagata gatgtaaaag 360
ctgcaacgga aggaagatag ttcgagagaa gaaaatttta gaagttcata ttgacaaaagg 420
catgaaagat ggccagaaga taacattcca tgggtgaagga gaccaagaac caggactgga 480
gccaggcgat attatc 496

```

<210> 2476

<211> 189

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

1818

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<400> 2476
catctgaaaa agaatganc ccaacantcc ctctatcaca tatgaacatc antcagtngt 60
ttgaattttca tcgnatgatc tgggcagacc tcagctgcct gggtttaccga gctgataccc 120
agncatacca gcctttatna acaaagnctg ggttnaaaga gaagttctac gtgctccttc 180
gtgggcang 189

<210> 2477
<211> 531
<212> DNA
<213> Homo sapiens

1819

<220>
 <221> misc feature
 <222> (6)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (22)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (154)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (300)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (448)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (478)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (525)
 <223> n equals a,t,g, or c

<400> 2477
 tgaatncccg ggtcgaccca cncgtccgcc caacacaggc atgctcataa ggaaagggtta 60
 aaaaaagtaa aaggaactcg gcaaacttta ccccgctgt ttaccaaaaa catcacctct 120
 agcatcacca gtattagagg caccgcctgc ccantgacac atgtttaacg gccgcggtac 180
 cctaaccgtg caaaggtagc ataatcactt gttccttaag tagggacctg tatgaatggc 240
 tccacgaggg ttcagctgtc tcttactttt aaccagtga attgacctgc ccgtaagan 300
 gcgggcatga cacagcaaga cgagaagacc tatggagctt taatttatta atgcaaacag 360
 tacctaacia acccacaggt cctaaactac caaacctgca ttaaaaattt cggttggggc 420
 gaactcggaa caaaaaccaa cctccganca atacatgcta agacttcacc agtccaancg 480
 aactactata ctccattgat ccaataactt gaacaacgga acaanttacc c 531

<210> 2478
 <211> 409
 <212> DNA
 <213> Homo sapiens

1820

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<400> 2478
gggaaanntc tgcgccatga gagccaagtg gaggaagaag cgaatgcgca ggctgaagcg 60
caaaagaaga aagatgagggc agaggtccaa gtaaaccgct agcttggtgc accgtggagg 120
ccacaggagc agaaacatgg aatgccagac gctgggggatg ctggtacaag ttgtgggact 180
gcatgctact gtctagagct tgtctcaatg gatctagaac ttcacgcgcc tctgatcgcc 240
gatcacctct gagacccacc ttgctcataa acaaaatgcc catgttggtc ctctgccctg 300
gacctgtgac attctggact atttctgtgt ttatttgtgg ccgagtgtaa caaccatata 360
ataaatcacc tcttccgctg ttttagctga agaattaaaa nctanntna 409

<210> 2479
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1821

<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<400> 2479
aaaatagtc tttgcttcac tacaaaacgt aggatatctg gcgggtgatg cgaagattct 60
taataacatc aatttttcgc tgcgtgctgg cgaatttaag ttaattaccg gtccttctgg 120
ttgtggcaaa agtacgctgc taaaaatagt tgcttcattg atcagcccaa ccagcggaac 180
gttnactgtt tgaagggtgag gatgtcagca cactaaagcc agaaatctac cgccaacaag 240
tctcttactg cgcccagaca ccgacgctgt ttggcgatac ggtatacggg aaatctggat 300
ctttccctgg cagatccgta accggcagcc tgacccagcc atttttctcg nttttttcgn 360
acggtttggc tttgccggac agcatttnna cgggggatttc gccgggtttt tgggtggggaa 420

1822

aanaaggatt tcatggntng taacccgcaa tttngccgn ggttttattg ttgggtggaa 480
taaccatggg tgggtgg 497

<210> 2480

<211> 171

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (157)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<400> 2480

gtccggaatt cccgggtcga cccacgcgtc cggtcctttg cttncatgga ggtcctgnac 60
tggacacacg ngaaggagca gctggaaact ctccggaagc tgcanaggag ggaggtggct 120

1823

gngcagtgcc tgcggcctgc agaggangac cacctgnagg attccctgga n

171

<210> 2481

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (419)

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<220>

<221> misc feature

<222> (426)

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<220>

<221> misc feature

<222> (431)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<400> 2481

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ctcattttatt	gaaaacatta	tttctcacct	ttctcaaatt	gaagactgca	aaaaataaaa	120
gcagtgcctt	attgagttgt	catgagcctc	gggcggggagc	agcagcactg	cctctccacg	180
ctccgggaaa	ccgcagctgg	cgtgtgccac	atcgggtccca	cctcgtttta	caaaacagtc	240
ctgaagctta	atcaaataaa	attattgtac	acaacattta	cattagaaaa	aganagctgg	300
gtgtaggaaa	gccgggcctg	gtgttccctt	taagcgaagg	tggnccaca	gttggggcat	360
cgtcgcttcc	tcaaggcaaa	acagcaaatt	aacccaaagg	ggaanaggat	gatggccang	420
aagatnccca	ngaaggtgaa	gcantcct				448

1824

<210> 2482
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

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<222> (175)
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<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

1825

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
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<222> (250)
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<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>

1826

<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<400> 2482
cccacgcgtc cgaagatcat cttctgatnt gttgggtttt gaatatacta aanaccctgc 60
taaaccagac caantggaaa atgtaatcct gatctcanat taanaagtc c cataaggaag 120
ctatggtctc tcctgaaatt caaatttgaa tggaaatctc ctaatgcac tgatnaacat 180
actgtttgtc tgtnggatat nggcncngna acaanagaat gcnaaattgt ngatnctaaa 240
ccatctttan tggccactca actgttntta aaagatgtga ctggcacctg ctgcacaatt 300
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1827

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<400> 2483

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attttagctg gaacccaat gagccttggg tcatttgctc agtgtctgag gataacatca 180
tgcagatatg gcaaattggct gaaaatattt acaatgatga agagtcagat gtcacgacat 240
ccgaactgga gggacaagga tcttaaacc ccaaaaggc aaatgtttct gttgaatgta 300
atgctacatg aatgcttnat ttatntttcg ccaaaaggc attgtatant angaaatgta 360
agtggggtgg cttatggctn ctt                                     383
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1828

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 ctnagggcctt ccttttctgn cctcctncag gatgggggtca accgccatcc tcgccctcct 180
 cctggctgnt ctccaaggag tctgtgccga agngcanctg gngcagtccg gagtagaggt 240
 gaaaaagccc gngaggtctc tgaggatctc tgtaaggttt ctggatacag ctttaccagc 300
 tactggatca agtgggtgcy ccagatgcn gngaaaggcc tggagtgnat ggcgaggatt 360
 gatcctagn actcttatac caactacagc ccgtccttcc aaggccacgt caccatctna 420
 gctgacaagn ccatcagcac tgctacctgc agtggagcag ctgaaggcct cggacaccgg 480
 catgnattac tnggccagac atgaagccag aggcttggac tacttttgact actggggcca 540
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<210> 2485
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 <212> DNA
 <213> Homo sapiens

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1830

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<220>
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<222> (228)
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ggacagcaag gacagcacct acagcctcag cagcaccctg acgctgagca aagcagacta 180
cgagaaacac aaagtctacg cctgcnaagt caccatcag ggcctganct cccccgtnnc 240
aaa 243

<210> 2486
<211> 396
<212> DNA
<213> Homo sapiens

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1831

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gatccagtgg gaattatttg atgactcagt ctccagtctc cctatacgtc acccctggag 120
agccggcctc catctcctgc aggtctagtc agaccctcct gcatagtaat ggatacaact 180
atttgattg gtacctgcag aagccagggc agtctccaca gctcctgac tatttgggtt 240
ctaactgggc ctccgggggc cctgacaggt tcagtggcag tgggtcaggc acagacttta 300
cactgaaaat caccagagt gangctgang atgttggggg ttattattac tggatgcaag 360
cntacaaat tcattcantt tnggccttg accaaa 396

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1832

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catctcctgc acccgagcagca ntggcaagca ttgccagcaa ctatgtgcag tggttccagc 180
agcgcccggg cangttcccc caccactgtg atctatgagg ataaccaaag accctctggg 240
gtccctgacg ggttctcttg cttacatcga cagctcctnc aactctgcct tccttaccat 300
tctctggact gaanactgag gacgangctg actactactg gnagtcttat taataacaag 360
caatgttggg tatttcggcg ganggaccaa aacctnaacc ttctaag 407

<210> 2488
<211> 244
<212> DNA
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1833

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ccaggggaaa nagccaccct ntcttgctgg gccagtcana gtgtttacag cagctactta 180
gcctgggtacc agcagaaacc tggncaaagt cccaggnncc tcatctatgg tgcattccagc 240
aggg                                     244
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1834

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acagagtcac catcacttgc ccgggcangt cagagcatta ncagcgatgt aaattggatc 180
agcagacaaat atggaaaagcc ctancctcct gatctatgct gcatcaantc gcatagtggg 240
gccccatangg tcagtgcagt gatctggggac agacttcact ctcacatanc agtctgcacc 300
tgagatttga nctactactg caacagagta cagaggnact cacgttagca tggaacnatg 360
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<212> DNA

<213> Homo sapiens

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1836

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1837

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ccggntctcc tggacagtna gtcaccatct cctgcactgg gaaccagcag tgaatggttg 180
tggttataac tttgtntcct ggtaccaaca ggacccaggc aaagncccca aactnatgat 240
ttatgaatgt nactttaagc gggccctcag gggtccttga atcgntttct ttgggntcca 300
agttttggca acacggcctt ccctggacca ttttttgggg ttccaggtnn aggatgacgg 360
tggattatta actggttggt tcatatttca ggnnggcttac aatagnttat gtttttcggg 420
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1838

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1840

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1841

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 tgectccgtg tctgggtctc ctggnacagt cgatcaccat ctctgcact gggaacaagt 180
 agtgacgttg gtggctataa attatgtctt ctggtaccat caataaccca ggcaaagccc 240
 cccaacctg gttttatgga tgnagttat tgggcctaag gggtttttta aatgcgcttt 300
 ttttggttc caagtttggg aaaaaggggn cttccttnga ncatttttgg ggttcccncc 360
 ctgggggggg tttttntttt tttnntnngn gctnttttgg aaaggncccc actntntttt 420
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 nntttttccc ccnngnggg ggggnnaana 510

<210> 2492
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 <212> DNA
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1842

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 <222> (468)
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 tgaggtgagg aagcctgggt cttcggtgaa tatctcctgc aaggcttctg gaggcacctt 180
 cagtagatat gctgtcacct ggggtgcgaca ggcccctgga caaggccttg agtgggtggg 240
 aggcatacct cctgtctatg gtacgacaca ctatgcagat aatttgcgcg gccgggtcac 300
 cataacggcg gacaaatcca cgaacatagc ctatatggaa ttgaagagcc tgaaatttga 360
 agacacggcc atgtatttct gtgcgagggg tcacaactcc tatgacagtt cggctctcaa 420
 ttggntcgac ccctggggcc agggaaactct ggtcaccgtc tcctcagnct ncaccaaggg 480
 cccatcngtc ttncctctgg cacccttctt 510

<210> 2493
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 2493
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 ctccatcagc actgcctacc tgcagtggag cagcctgaag gcctcggaca gcgccattta 120
 tttctgtgcg agacctattg cgagtgtgaa agctcgtctg gtggcaccaa gcaaggacta 180
 ctggggccag ggaaccctgg tcaccgtctc ctcagcctcc accaagggcc catcgggtctt 240

1843

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249

<210> 2494

<211> 490

<212> DNA

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<400> 2494

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caatgtgagg tgcggctggg ggagtctggg ggaggcttgg ttcagccagg gcggtccctg 180
agactctcct gtacaactcc tggattcacc tttgatgatt atgcgatgaa ctggttccgc 240
caggctccag ggaggggggct ggagtgggtg ggtttcatta gaagcaaaac ttatggtggg 300
acaacacaat acgccgcggc tgtgaaaggc agattcacca tctcaagaga tgattccaaa 360
agtatcgtct atctgcaa atgaacagcctg aagaccgagg acacagcccg tgtattattg 420
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<210> 2495

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1844

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1846

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 gaactgcctc tnttgtgtgc ctgctgaata acttctatcc cagngaggcc aaagtacagt 180
 ggaaggtgga taacgccctc caatcgggta acttccagggt ggagtgtcac agagcaggnc 240
 agcaaggaca gcacctacag cctcagcagc accctgacgn tgagcaaagc agactacggg 300
 gaaacacaaa gttttacggc tgcgagttca cccntcagggt ccttaggttg gcccgttaan 360
 aaggggtttt aacagggggg gntttttagg ggggnggggt nccccccctt nttctnnntt 420
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1847

<210> 2496
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<212> DNA
<213> Homo sapiens

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1848

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tcactctcac catcagcagt ctgcagcctg aagattttgc aacttacttc tgtcaacaga 180
gtgacgattt cccttttagc ttcggccaag ggacacgact ggagatgaaa cgaactgtgg 240
ctgcaccatc tgtcttcac ttcccgccat ctgatgagca gttgaaatct ggaactgcct 300
ctgttggtgtg cctgctgaat aacttctatc ccagagaggc caaagtacag tggaagggtgg 360
ataacgccct ccaatcgggn actcccagga gagtgtcaca gagcaggaca gcnaggacag 420
cacctacagc ctcagcagca ccctgacgct gagcaaagca nactacnaga aacacaaaagt 480
ctacgcctgc gaagtcaccc atcaaggcct gagctcnccc gtcacaaaga gcttaacagg 540
ggagagngtt aaaanggaga aatnccccca nctgctcct 579

<210> 2497
<211> 499
<212> DNA
<213> Homo sapiens

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1849

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<220>

1850

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<400> 2497

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tatagtacat cctccagggc ccttggnatt ccagaaacag gttcagtggc agtgggtctg 180
ggnactgaac tttcacttct tcaacatcag cgggcctggg agcctgaaga ttttgcagta 240
ttantactgt gcaactctta tcgtagggcc ctcgggcact tttcgggcgg aggggaccca 300
aggtgggaga ttgagacgga actttgggct tgcaaccatn ttgttttttn anntttncgg 360
gccattttga ttgggggcant ttggaaantt ttgggacttg cncttntttg nnnttncccn 420
nttggaaaaa attttttttt ccnngggngg ggccaanttn naaagggnag ggnngnttaa 480
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<210> 2498

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<212> DNA

<213> Homo sapiens

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1852

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<222> (489)

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<400> 2498

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catctcctgc acccgagca gtggcagcat tgccagcaac tatgtgcagt ggttccagca 180
gcgcccgggc agttcccca cactgtgat ctatgaggat aaccaaagac cctctggggt 240
ccctgatcgg ttctctggct ccatcgacag ctctccaac tctgcctccc tcaccatctc 300
tggactgaag actgaggacg aggctgacta ctactgtcag tcttatgata gcagcaatgt 360
ggtattcggc ggagggacca aactgaccgt cctaggtcaa gccaagggt tgcccctcgg 420
tcactctgtt cccgccctcc ttctgangag ctttaagcca acnaggccac actggtgtgt 480
ctcataagng attcta                                     496

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<210> 2499

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<212> DNA

<213> Homo sapiens

<400> 2499

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aaggggccat cggctctccc cctggcacc cctccaaga gcacctctgg gggcacagcg 180
gccctgggct gcctgggtcaa ggactacttc cccgaaccgg tgacgggtgtc gtggaactta 240
ggcgcccttg accagcggcg tgcacacctt cccggctgtc ctacagtcct caggactcta 300
ctccctcagc agcgtgggtga ccgtgccctc cagcagcttg ggcacccaga cctacatctg 360
caacgtgaat cacaagccca gcaacaccaa ggtggacaag agagttgagc ccaaattcttg 420
tgacaaaact cac                                     433

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<210> 2500

<211> 518

<212> DNA

<213> Homo sapiens

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1853

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1854

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tggccccagg acagacggcc aggattacct gtggggcaaa caacattgga attaaaaatg 180
tgacttggtg ccagcagaag ccaggccagg cccctgtgct ggtcgtctat gatgataagc 240
gaccggccct cancgatcct gancgaattt tttggttcca actnttgga acacnggcca 300
ccctgaccat caacanggtc gaaccgggga tgaagccgac tattactgtc aggtgtggga 360
tactagtant gccaaaggag gttcggcgga nggaccaaac ttaccgtcta attaacccaa 420
ggctgcccct cgtcactct gttccaccct tctnttaaga acttcaacca aaaangncac 480
acttggtgtg ncttataaat gacttntacc cggaaccc 518

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<210> 2501

<211> 402

<212> DNA

<213> Homo sapiens

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<220>

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<222> (380)

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<400> 2501

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tccgggtctc ctggacagtc agtcaccatc tcttgactg gaaccagcag tgacgttggg 180
ggttataacc gtgtctcctg gtaccagcag tccccaggca cagcccccaa actcatgatt 240
tatgagggtc gtaatcggcc ctcaagagtc cctgatcgct tctctgggtc caagtctggc 300
aacacgggct tccttgacat cttttgggct ccaagcttga ngacnaaagg tgaattatta 360

```

1855

ctgncctgctc gnatcaaagn aagtaagttt ttttctctat tt

402

<210> 2502

<211> 349

<212> DNA

<213> Homo sapiens

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1856

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ctgatttgca cactgaaaat cagcagggtg gaggctgagg atgttggeat ttattaactg 180
catgcaaagg ttcacactgg cctcggaacg ttcggccaag ggnaccaagg tgggaaatcn 240
aaacgnaact gtggctgcac catctgtntt catctttccc ggccatctgn ntgagccatt 300
tgnaaatctg gaactgcctc tgttgtgtgc cctgctgnat aactttcta 349

<210> 2503
<211> 169
<212> DNA
<213> Homo sapiens

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<220>
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<223> n equals a,t,g, or c

<220>
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<220>
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1857

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<220>
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<222> (126)
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<220>
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<220>
<221> misc feature
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<220>
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<222> (160)
<223> n equals a,t,g, or c

<400> 2503
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gtggcggccg ctctacaact actggatccc cggggtgca ggaatactgc accaccntaa 120
caacangttt gtgctattca ctgtggcata acaatggnnn aattagtcg 169

<210> 2504
<211> 140
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (9)
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<220>
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1858

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<220>

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<222> (58)

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<222> (103)

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<400> 2504

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aaaanaaaaa aaancccaaa                                     140
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<210> 2505

<211> 107

<212> DNA

<213> Homo sapiens

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<220>

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<220>

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1859

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<220>
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cgctctaaaa ctaatggatc ccccgggctg caggaattcg gcacgan 107

<210> 2506
<211> 104
<212> DNA
<213> Homo sapiens

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<220>
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<400> 2506

1860

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gatcccccg gctgcaggaa ttcggcacga ggtcngncta ngcc 104

<210> 2507

<211> 134

<212> DNA

<213> Homo sapiens

<220>

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<222> (9)

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<220>

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<222> (17)

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<220>

<221> misc feature

<222> (25)

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<220>

<221> misc feature

<222> (48)

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<220>

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<222> (72)

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<222> (120)

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<222> (121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

<400> 2507

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cgcggtggcg gncgctctag aactagtga tccccgggc tgcaggaatt cggcacgagn 120

1861

ncnagttccat gacc

134

<210> 2508

<211> 124

<212> DNA

<213> Homo sapiens

<220>

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<222> (10)

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<220>

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<222> (19)

<223> n equals a,t,g, or c

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<222> (30)

<223> n equals a,t,g, or c

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<222> (56)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (117)

<223> n equals a,t,g, or c

<400> 2508

gccaatiaan cctcaatant tgggaacaan anctggagct ccaccgcggt ggcggncgct 60
ctagaactag tggatcccc gggctgcagg aattcggcac gaggccatgt tancgangac 120
attt 124

<210> 2509

<211> 562

<212> DNA

<213> Homo sapiens

1862

<220>
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<220>
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<220>
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<400> 2509
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gatcccccg gctgcaggaa ttcggcacga gaccccatatc agaaaccacc taccctcggg 120
gaggcttaat tacctggtaa tgcgcagct gactgctac ctgtgtattt tctgttttaa 180
tactggtagc tctcaccaca taagcttaat tactgggggc agagtgcacat gctcgtgcac 240
agtcaagatt ccactaaaat ggtttgattt cgttgtaaata agtctcgtat tgcctaatagc 300
attaaaactc ttgaaatgat tgtattgcta ggccctttct tcaaaacggg ctttcttcgc 360
attatttagt ttacaggtgg actttttttt ttttaaagga agccaaatta ttgaatgtgt 420
aagagtacta taaaaagctg attgctcatc ttgagtgtca agaccagtt ccgggtactt 480
tattcttttag atttggtagt gtagcattat cgaccctctg ccctatgttg ctgtactgtt 540
tccttttaaaa ggaaatggct ga 562

<210> 2510
<211> 440
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
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<222> (417)
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tcccccgggc tgcaggaatt cggcacgagc ccctcctttg ctcctaggat tttacatgtt 120

1863

gcctgcaaag ggagtcaaac ttaggggggca ggcaaacaaa cgagttcttt ccagcctctg 180
taaccggatc gctagagcga aataaactcg cacaagtgtc cagagatcgt agccagacag 240
ccagcctgcg cttgaagcaa cttttaagtg aggctgcaag agccgccggg atgtagattt 300
tagttcgtgg ccaagcacia ctacgacacc ctgtccctgc cccacccca tccccaagaa 360
tgcacggagg aaggagagag gacgaggtga gggccgcctg catttctgca cgtcggngcc 420
ggttagaaac cctgcagttt 440

<210> 2511

<211> 149

<212> DNA

<213> Homo sapiens

<220>

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<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (120)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

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aacccgcacc aanggaaca aancncgggc cccaccgcgg tgacgcccgc tcgagaacta 60
gtggatcccc cgggctgcag gaattcggca cgagggttaat tagaataaag tcattttctn 120
ccaaaaaaaa aaaaaaaaaa aaaagnaaa 149

<210> 2512

<211> 149

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)

<223> n equals a,t,g, or c

1864

<220>
<221> misc feature
<222> (2)
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<220>
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<222> (4)
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<220>
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<222> (127)
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<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

1865

<400> 2512
nnangacctt tcttngantt aacnccccctc ccttggaata aaactggagc tccaccgccg 60
tggcggcgct ctaaaactag tggatcccc gggctgcagg aattcgggac gagttcatgg 120
agaggcnant gctnggttcn cctgtgang 149

<210> 2513
<211> 461
<212> DNA
<213> Homo sapiens

<220>
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<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
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<220>
<221> misc feature
<222> (444)
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<220>
<221> misc feature
<222> (446)
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<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 2513

1866

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ctgtggagaa gagatcctga tcacgggtgct gtctgccatg acagaggagg cagctggtgc 120
aatcaaggcc atggcaaaat aactggctcc caggggtggcg gtggtggcag cagtgatcct 180
ctgaacctgc agaggccccc tccccgagcc tggcctggct ctggcccggc ctaagctgga 240
ctcctnctac acaattttatt tgacgtttta ttttggtttt cccaccccc tcaatctgtc 300
ggggagcccc tgcccttcac ctagctccct tggccaggag cgagcgaagc tgnngccttg 360
gtgaagctgc ctcctcttc tcccctcaca ctacagccct ggtgggggag aagggggtgg 420
gtgctgcttg nggttagtct tttntntntt ntttaattca a 461

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<210> 2514

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (270)

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<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<400> 2514

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accgcggtcc tcctgctgct ggccgcctat gcggggcgcg cccagagcct gggctccttc 120
gtgcactgcg agccctgcca cgagaaagcc ctctccatgt gccccccag cccctgggc 180
tgcgagctgg tcaaggagcc gggctgcggc tgctgcatga cctgcgccct ggccgagggg 240
cagtcgtgcg gcgtctacac cgagcgctgn gccaggggc tgcgctgnct ccccggcag 300
gacgaggaga agccgctgca cgccctgctg caccgncgcg gggtttgnct caacnaaaag 360
agctaccg 368

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<210> 2515

<211> 695

<212> DNA

1867

<213> Homo sapiens

<220>

<221> misc feature

<222> (477)

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<220>

<221> misc feature

<222> (525)

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<220>

<221> misc feature

<222> (573)

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<220>

<221> misc feature

<222> (625)

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<222> (664)

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<220>

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<222> (665)

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<220>

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<222> (671)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (690)

<223> n equals a,t,g, or c

<400> 2515

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atgccttttg aaagtattac tccaggccaa aggaagtcac ccttctagac ttcagaccac 120
agacaacctg ctccccatgt ctccctgagga gtttgacgag gtgtctcgga tagtgggctc 180
tgtagaattc gacagtatga tgaacacagt atagagcatg aatTTTTTtTc atcttctctg 240
gcgacagttt tccttctcat ctgtgattcc ctccctgctac tctgttcctt cacatcctgt 300
gtttctaggg aaatgaaaga aaggccagca aattcgctgc aacctgttga tagcaagtga 360
atTTTTtctc aatcagaaa catcagttac tctgaagggc atcatgcatc ttactgaagg 420
taaaattgaa aggcattctc tgaagagtgg gtttcacaag tgaaaaacat ccagatncac 480
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1868

```

ccaaagtatc aggacgagaa tgaggggcct ttgggaaagg agaanttaag caacatctag 540
caaatgttat gcataaagtc agtgcccaac tgntataggt tgttggataa atcaagtggg 600
tatttaggga actgcttgac cgtangaacc ggtaaatttc tgggtggggag aattcttaca 660
tgtnttcttt ngctttaagg gaactgggcn agttt 695

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<210> 2516

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (216)

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<220>

<221> misc feature

<222> (220)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<400> 2516

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gcactccact ccttgtgctg cgctaggccc cccgtcccgg tcatggccat gctcagggtc 60
cagcccagagg cccaagccaa ggtggatgtg tttcgtgaag acctctgtac caagacagag 120
aacctgctcg ggagctatct cccaagaag atttctgagc tggatgcatt tttaaaggag 180
ccagctctca atgaagccaa cttgagcaat ctgaangccn attggacatc ccagtgcctg 240
atccagtcaa ggagaaagag aaagaggaac ggaagaaaca nganganaaa ggaa 294

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<210> 2517

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (301)

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1869

<220>
 <221> misc feature
 <222> (364)
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<220>
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 <222> (382)
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 <222> (404)
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<220>
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<220>
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<220>
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 <222> (451)
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 <222> (457)
 <223> n equals a,t,g, or c

<220>
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 <222> (484)
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 tccgcacccg gacaccacag cggcccttcg ctccacgcag aaaaccacac ttctcaaacc 120
 ttactcaac acttccttcc ccaaagccag aagatgcaca aggaggaaca tgaggtggct 180
 gtgctggggg cccccccag caccatcctt ccaaggtcca ccgtgatcaa catccacagc 240
 gagacctccg tgcccgacca tgcgtcttgg tccctgttca acacctctt cttgaactgg 300
 ngctgtctgg gcttcatagc attcgcttac tccgtgaagt ctagggaacag gaagatgggt 360
 ggngacgtg accggggccc angcctatgc ctccaccggt caantgcctg aacatctggg 420
 ccctgattnt gggcatnctc atgactcatt nggattnatc cttgttactt ggtatttctg 480
 cttntgtgac agtctaccat tatttat 507

1870

<210> 2518
<211> 565
<212> DNA
<213> Homo sapiens

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<222> (4)
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<220>
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<222> (45)
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<220>
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<222> (125)
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<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
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<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
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<220>
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<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
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1871

<220>
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 <222> (305)
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<220>
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 <222> (312)
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<220>
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 <222> (462)
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<220>
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 <222> (495)
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<220>
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 <222> (497)
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<220>
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 <222> (542)
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<220>
 <221> misc feature
 <222> (547)
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<220>
 <221> misc feature
 <222> (552)
 <223> n equals a,t,g, or c

<400> 2518
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 tgtaaagatt aaaggtgatg catctgttaa gtaactaata gagtgcctat taaaaggtat 120
 gtgtncata agtattaatt cctttctnt cttttctta ctagtgcact tgtgttttta 180
 atggatcata ctttacccta tattgtattg tnggangcat cgtggatgga tggctgctgg 240
 aaacccttg ccataaccan ctcttcttca atacttaagg atttaccgtg gctntganta 300
 atganaattt cnaaaccaca ttttgaaaa ttatttccat cccagtgcata cttgtgttta 360
 cttcttaaca atcattttct aacttgaaag ctggcattcc atgtcttcat ttttgggctg 420
 tttcaatgca agggcttccc taaaacaaaa accaactggg tnaatgttat taagtgattt 480
 gaaaaaattt ggaanancctt attccatcta tgccctttga tgctacttta tattccggaa 540
 anttaanttt cncctcattt tccaa 565

1872

<210> 2519
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
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<222> (386)
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<220>
<221> misc feature
<222> (409)
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1873

<220>
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<222> (420)
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<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
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<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<220>
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<222> (537)
<223> n equals a,t,g, or c

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actattttaat cagtctgtca gattaaccca cctggcataat gtacctggtg tgtgtgtgtaa 120
gctctgatgt aatcagctgt acttagttcc ttttagtggt cctatctctt tatccaagtg 180
tattaatttc atcttattaa atctttgaag tatcagacca tgagaangca tgaanaaacc 240
tgggctgana atcttcgcta tangaaacct gatcttgact gtatggctgg cttaagacgt 300
ttcacactgg aattgcaaca cacttattgg tgacctaaagg tgcattgtnc tttgcaaaat 360
ctctcantna aggaatttat tggctnaaaa ctccctgaac tgccacaant gcgggccccn 420
ccnattaaaa gaaacaaagg nttttgctta aaaggccctt gaaaaccaat tcnaacnct 480
ggtccctcct cggaatttca naaaaaaat ccccnccctt tgaaccccc cctcaanaaa 540
aaa 543

1874

<210> 2520

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (167)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (248)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (333)

<223> n equals a,t,g, or c

1875

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

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tcggataaga cgtggaccta taaccgcant aatgtggtga tgccggatga tggcgcgccg 120
ttccgctaca gcttcagcgc cctgaaggac cgccataatg cccttnnagg tgaactggat 180
tgacccgaac aacggctggg aaacggcgac aganccttgtt gaaagatacg cangccattg 240
cccgtttncg gtcgttatgt ttncaaaaat tgatnccttt tngcttttac cagccggggg 300
ggggggcccg gttaccccat tccccccct atngttgant tcccttatta aaatt 355

<210> 2521
<211> 329
<212> DNA
<213> Homo sapiens

<400> 2521
gctctctaga gccctagcag ttgaactggt agacaaagtg aacaatccag ataaccacgc 60
acattacact gaagcagatg acgatgactt tgagcccat gcaatcattc gtcataccat 120
tagatctaca aacaggaatg ccagagctga acggacagct tcagaaataa attttgacaa 180
attacaattt gaacctcctc tgagaaaaga aacagaagca cgagatgaaa tgggattgtc 240
atccagaccc aaatttcattg tttacagtgg aatccttttg ttgatggtgc aaatactggc 300
aatcacctc aaaacgttgc aataccacc 329

<210> 2522
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<400> 2522
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cacaattcag atagcaacac ctgggaaagg caagaagtca acaccaaacc ccattccctat 120
tctagctgct ggttttttgc cagacaaaat gtcattgttg cttgtatatg gcagttgggt 180
tcagcctact attgagcgag tggtagctta gctgctactc tggagtaaag caatatagca 240

1876

tccctgttgt ccatggaana aaattgattt taaaaataac aacattgggtc tttaagataa 300
ataatatatc cttttttaat taaaggattc ttcatnatn 339

<210> 2523

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

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<222> (302)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

1877

<223> n equals a,t,g, or c

<400> 2523

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gggaggagct agangagctg gagcaggagg aattggccca ggagttgtta aatgtgggcg 60
acaaggaaga agaaccctca gtcaaattgc ctagtgtacc ttctactcat ctgcggcagg 120
gccagctccc aaagtggatg aagatgaaga agcactaaag cagttggctg agtgggtatc 180
ctgataaatc tgggcttgct ttcctaattgc tacctttggt ggccctttct tccttaagtg 240
ccaagtgtg agctaaagga gaattgcagc tgantatgct cgaaatagtt catccangtc 300
angtggagaa acactatcgg gaaatggaag aaaaattagc actgattatt cagaaacatt 360
ggaaagggtc agggaaaggg aaaattttna ccaacngaag cngnctctta tanaa 415
```

<210> 2524

<211> 241

<212> DNA

<213> Homo sapiens

<400> 2524

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gatggttcag agaaaatatt actgattgtg cttgtcccag catttagcat gttgaagttt 60
tgtatataag aagtttttagc atagtggatt ttttataagt aggttaaaaa atactatttg 120
tatgttcagt taaactttct ctgtatgttt gtctgttaca gctcagtcct tttgtttaca 180
gcgagtttgc caggagagaa aaccttcacg ttccattact tgacccgact ctatgagcat 240
t 241
```

<210> 2525

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (506)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (518)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (530)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (531)

1878

<223> n equals a,t,g, or c

<400> 2525

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gctcggatca ggatttaaac cggatgagga gtgaattgct ggtgcctggg tcacagctta 60
ttttaggtcc ccatgaatcc aagataccta tacttttggat tcagcagcca ggaaaagtga 120
ctggtgaaga tcgactaggc tggggaagtg gctgggatgt cctactccca aagggtctggg 180
gcatggcttt ctggattcca tttatttata gaggtgtgag agtcggaggg ttgaaagagt 240
ctgcagtgca ttctcagtat aagaggtcgc ctaatgtccc aggcgatttt ccagactgcc 300
ctgccgggat gctgtttgcg gaagagcaag ctaagaatct tcttgaaaag taaaaagac 360
gccctcctgc aaaacggccc aactacgtta agcttggcac tctggcacct ttctgctgtc 420
cctgggagca gttaactcaa gactgggagt caagagtcca ggcttacgaa gaaccttctg 480
tagcttcatac tccnaatggt aagganagtg accttagnaa gatctgaagn nccttg 536

```

<210> 2526

<211> 487

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<400> 2526

```

cgcgacgntg ggcggtccg cggcgcgntc ggtcggcgcc tattctcggg ctgtttggcg 60
gaggcttggg atagttaaata gactttggtc ttgtccaagg ttagatggag ttcaactcta 120
acgtcaagtc ttggtccttt tcattgacga agcttcacaa aagatgtcta agcaacagcc 180
aactcagttt ataaatccag aaacacctgg ctatgttggg tttgcaaacc tccccaatca 240
agttcaccga aaatcagtg aaaaagggtt tgagttcaca ctgatggtgg tcggtgaatc 300
aggtctagga aaatcgactc tcataaacag cctattccta actgatctgt acccagaaaag 360
agtcatacct ggagcagcag aaaaaattga aagaactgtc cagattgagg cttcaactgt 420
tgaaattgaa gagcnagggg tcaagctacg gcttgnacgt ggtagatacc cctggctatg 480
ggtgacg 487

```

<210> 2527

<211> 410

1879

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (251)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (373)

<223> n equals a,t,g, or c

<400> 2527

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ttanccctca ctaaaggggn caaaagctgg ggctccaccg cggtgacgac cgctctagaa 60
ctagtggntc ccccgggctg caggaattcg gcacgagggc cgttctggag ctgttgataa 120
gagagctcgg gaagctggaa atataaatca atccctgttg actttgggaa gggtcattac 180
tgcccttgta gaaagaacac ctcattgttc ttatcgagaa tctaaactaa ctagaatcct 240
ccaggattct nttggagggc gtacaagaac atctataatt gcaacaattt ctcctgcattc 300
tctcaatctt gaggaaactc tgagtacatt ggaatatgct catagagcaa agaacatatt 360
gantaagcct gangtgaatc agaaactcac caaaaaagct cttattaagg 410

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<210> 2528

<211> 100

<212> DNA

<213> Homo sapiens

1880

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 2528
cctgggaatg taatgagtgt ggaaaagaca ctctcggatg tcttacctcn ctgtacctta 60
tgtaactcat tcatganana aaccctatna ntgtgctgaa 100

<210> 2529
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>

1881

<221> misc feature
 <222> (342)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (428)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (437)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (446)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (471)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (473)
 <223> n equals a,t,g, or c

<400> 2529
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 ttaaggaaaa actcattgca ccagttgcgg aagaagaggc aacagttcca aacaataaga 120
 tcaactgtagt ggggtgttga caagttggta tggcgtgtgc tatcagcatt ctgggaaagt 180
 ctctggctga tgaacttgct cttgtggatg ttttgggaaga taagcttaaa ggagaaatga 240
 tggatctgca tcatgggagc ttatttcttc anacacctaa aattgtggca gataaagatt 300
 attctgtgac cgccnattct aagattgtag tggttaactgc angagtccgt cagcaagaag 360
 gggagagtcg gctcaatctg gtgcagagaa atgttaatgt cttcaaattc attattcctc 420
 agatcgtnaa gtacaantcc tgattncaat cataattgtg gtttccaacc nangtggaca 480
 tttc 484

<210> 2530
 <211> 593
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (2)
 <223> n equals a,t,g, or c

<220>

1882

<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1883

<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)

1884

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (170)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (430)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (539)

<223> n equals a,t,g, or c

1885

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<400> 2530
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ctagttcgcg agcgcccgct ctagaggatn caaggttacg tacgcaacca tgccagncna 120
angctntttn antggggcnn cnaaantnaa nttannnggc cgcngtttnn caacgtcgtg 180
actgggaaaa ccctggcggt acccaactta atcgcccttc agnacatccc cctttcgcca 240
gctggcgtaa tagcgaagag gcccgcaccg atcgcccttc ccaacagttg cgcagcctga 300
atggcgaaatg ggacgcgccc tgtagcggcg cattaagcgc gnggggtgtg gtggttacgc 360
gcagcgtgac cgctacactt gccagcggcc tagcgcccgcc tcctttcgct ntcttcctt 420
cctttntcgn caggttcgcc ggctttcccc gtcaagctct aaatcggggg ctnccttttag 480
ggttccgatn tagtgcttta cggcacctcg accncaaaaa acttgattag ggtgatggnt 540
cacgtantgg gccatcgacn tgatagacgg atattngccc tttgacgttg gag 593

<210> 2531
<211> 302
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<400> 2531
ccctcactaa nggancaaaa gctggtgctc caccgcgggtg gcnccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agaatgtcag gtaattgtta gccaaccaat 120

1886

```

catattttaa actgagacac caagtaattg actggaatct ctttgtaccg gatttactaa 180
gtggtggggt ttctcatgga gtgagctgtt gggagttcca ctatttcatt ggaatatgga 240
caaatttttag aatgaaaggt aaacacttgg gagagagaga gagaaagaaa cacagacgaa 300
gg                                                    302

```

<210> 2532

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (255)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (256)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<400> 2532

```

gccttctctn aatgaggctc cctgctcagc tcctggngct gctaagtctc tgggtctctg 60
gatccagtgg gaatattgtg atgactcagt ctccactctc cctgcccgtc acccctggag 120
agccggcctc catctcctgc aggtctagtc agaccctcct gcatagtaat ggatacaact 180
at ttggattg gtacctgcag aagccagggc agtctncaca gctcctgata tatttggggt 240
cta atcgggc cttcnngggg tccttgacag gnttt                                     275

```

1887

<210> 2533
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<400> 2533
tttntatnat ttgcgaactc ccgttaaagc ttgtacgccc tgcagggnacc ggtccggaat 60
tccccgggtcg acccacgcgt ccggnctctgt cntataacaa gcttaaaaac ataccaacng 120
tcaatgaaaa ccttgaaaac tattacctgg aggtcaatca acttgagaag tttgacataa 180
agagcttctg caagatcctg gggccattat cctactccaa gatcaagcag aagctcttta 240

1888

```

tgtcaatcgc atctcagaaa ccagtcctcc accggatatg tatgaatgtc tacgtgttgc 300
taacgaagtc actcttaatt aatatctgta tcctggaaca atattttatg gttatgtttt 360
tctgtgtgtc agttttcata gtatccatat tttattactg tttattactt ccatgaattt 420
taaaatctga gggaaatggt ttggaaacat ttattttttt taaaaaaaaa naanaagggc 480
ggccgctcta gaggatct                                     498

```

<210> 2534

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<400> 2534

```

gccccacgcgt ccggggccgtc atggcgcccc gaaccctcct cctgctactc ttggggggccc 60
tgggccctgac ccagacctgg gcgggctccc actccatgag gtatttcacc acatccgtgt 120
cccggccccgg ccgcgggggag ccccgcttca tcgccgtggg ctacgtggac gacacgcagt 180
tcgtgcgggt cgacagcgac gccgngagcc agaggatgga gccgcgggcg ccgtggatag 240
agcaggagag gcctgagtat tgggaccagg agacacggaa tgtgaaggcc cactcacaga 300
ttgaccgagt ggacctgggg accctgcgcg gctactacaa ccagagcgag gccggttctn 360
acaccatnca natgatgtat ggctgcnacg tgggggttcgg acgggcgctt cctncgcggg 420
taccaacat                                     429

```

1889

<210> 2535
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<400> 2535
gggaagcntg ctntgacctt gccaaaggagc agggcccata cgaaacctat gagggctctc 60
cagtttagcaa aggaattctt cagtatgata tgttgaatgt tactcctaca gacctatggg 120
actggaaggt tctcaaggag aagattgcaa agtatggat aagaaacagt ttacttattg 180
ccccgatgcc tacagcttcc actgctcaga tcctgggggaa taatgagtcc attgaacctt 240
acaccagcaa catctatact cgnagagact tgtcaggaga atttcagatt gtnaatcctc 300
acttattgaa agatcttacc gagcgggggcc tatggcatga agagatgaaa aaccagatta 360
ttgcatgcaa tggctctatt canagcatat cataaattcc tgatgacctg aagcaacttt 420
ataaaaactgt gtgggaaatc tctcagaaaa ctgttctcaa gatggcagct gagagaggtg 480
ctttcattga tcaaagccna tctttgaaca ttccacattg cttgagccta aaccttantt 540
tggggggggcc cccaaaaaaa accccc 565

1890

<210> 2536

<211> 185

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (173)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (185)

<223> n equals a,t,g, or c

<400> 2536

```
gcactatgca agctcnggat aacatcacga ncgcccggt gctgcagcag gaggttctgc 60
agaacgtctc ggatgctgag agctgttacc ttgtccacac cctgctggag ttctacttga 120
aaactgtttt caaaaactac cacaatagaa cagttgaagt cagggatnct nantncattc 180
tctan 185
```

<210> 2537

<211> 575

<212> DNA

<213> Homo sapiens

1891

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
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tgaaatagct gcggccatct ggggatattc ccacaaggat gaggtgatta aggaagtcca 480
ggagttttac aaggacacct acaacaagct gaaaaccaag gatgagcccc agaggggaaac 540
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1894

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cacgtggaag tcatggacat ggaagacnag agcgttctac canggagaag cngatctcag 360
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1896

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acatcacccct ctgtgacttc atcgtgccct gggacaccct gagcaccacc cagaagaaga 180
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cgtgctacat ctctctccccg gacgagtgcc tctggatgga ctgggtcaca gagaagaaca 300
tcaacgggca ccaggccaag ttcttcgcct gcatcaagag aagtgcggc tcctgtgcgt 360
ggtaccgcgg cgcggcgccc cccaagcagg agtttctcga catcgaggac ccataagcag 420
gccttcaacg ccctgtggc caactgcaaa aaaagccttc aagggtttcg actggtccag 480
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1897

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551

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cggaatntna anagggggcc gtaactggca ttattgaaa gactggaact gcaaaagacg 600
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1900

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acaattttcc cctggggaaa ggagttaata gaaaccctgt ggaacctaag agatccgaac 420
ttttacacat gtatcctggc aatgnggcta aattaccatg gccgaaatgg acgaaaaaat 480
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 aaaggaagat gggagactat ncaactccca gttgtaagtt cttatgctgg aatcttcccc 360
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1906

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aggaggggcca ggagtcccca gggccagaca gcgaagcccc agagctgctg cggagctgaa 180

1907

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<400> 2547

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ggttcaagag agagacaggg gttgatttga ctaaagacaa catggcactt cagagggtac 60
gggaagctgc tgaaaaggct aaatgtgaac tctcctcctc tgtgcagact gacatcaatt 120
tgccctatct tacaatggat tcttctggac ccaagcattt gaatatgaag ttgaccctgtg 180
ctcaatttga agggattgtc actgatctaa tcagaaggac tatcgctcca tgccaaaaag 240
ctatgcatga tgcagaagtc atcttgagtg acatangaga agtgantcct gtgngtggca 300
tgactaggat gcccatgttc ngcagactgn c 331

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<210> 2548

<211> 558

<212> DNA

<213> Homo sapiens

1908

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>

1909

<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<400> 2548
gctcgggagn tgaccaagaa gttgcgggaa caggggtctc tgctggggaa gctgggtccag 60
aatggaacag aaccttcac cctgccattc ttggacccca atgcccgcgc cctgggtacca 120
gaggtctcca ttaaggtaca gaggtagagt gggagagtgt tgcaagctct agcacagtag 180
ttatattctg cccacaattg ggggggtgaac acaggagaga atcaaaggag gctttgaagg 240
taggagttgg tgcaggcata tcttataccc actgagcaca gctgccaact gttgcccttt 300
attcgtctat ttctcagact ccacgggtat tcaatacagg gggtgcccct cggatccttg 360
ctttggactg tggcctcaag tataatcaga tcgatgcctc tgcancgtgg ggctgangca 420
ctgtngtacc ctgggacatg cactanacag ccaaantttg agggctcttc ttaagtatgg 480
gctggtgacc tgctctattc catgcgnatc cactgancgg tttattganc tatnccgact 540
gntttggact gctggcac 558

<210> 2549
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

1910

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>

1911

<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<400> 2549
gcgactncat tgnngganaga attnaccaag ngtngcagtn tgcnggnnnc cancacactt 60
tnatnnggtgt ttnggacatt tatggtttcg aaacctttga tgtgaacagc tttgaacaat 120
ttgcncccaa attacgctna tgaaaaactg caacaacagt ttaacatgca tgtcttcaaa 180
ctggaacaag aagaatacat gaaggaagat ataccttgga cgctgataga tttttatgac 240
natcaaccag tttttgacct gattgaanca aaatgggaat cctgganttt ctggatnaaa 300
aatntttgtt tcc 313

<210> 2550
<211> 505
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

1912

<220>
 <221> misc feature
 <222> (68)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (103)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (104)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (469)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (474)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (483)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (490)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (496)
 <223> n equals a,t,g, or c

<400> 2550
 agggnaagct ggtacgcctg caggtaccgg tccggaattc ccgggtcgac ccacgcgtcc 60
 gcccatnntt ccgctagctt tctccgatta taaacaacac tgnnctgaac atccttgtgg 120
 cacggtcttt gctcacatgc agggttatatt tgccagtgtc ggttcctgga aaaaaaatag 180
 ttgggcagag aatgtacaca cttttgggac tcgtaatgcc tctcctggga aaggcggggc 240
 ccgtctttctg ctcccccaac agtgtgggaa acggtaccct ctcccttgct gggcagcaag 300
 cacctcttcc cagtgtgat ggaatcttgg tgccctctgc cctcagctgc acagaagctc 360
 tgccgcctct tgggactggg ggtgacggat ttctcccgag ccttgctcac ccctcgcatc 420
 aaagtgtggc gagactatgt gcagaaagcc cagactaagg aacaggtang cggngctggc 480
 ggnngggcaan gcacanaaag agccg 505

1913

<210> 2551

<211> 119

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<400> 2551

ctngaagatt tgcattgactt gctagcttca ttgntgaata atgcatntga tgactatcta 60
aatgccatga tnagttaggc tccaatgccc atcagntttg ccatgttcct naccatgtt 119

<210> 2552

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 2552

1914

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gaaagtgtctg atgaggaatc tggctctgcc tgaggacgtc cgaggggaagt gcacgagcct 60
gctgcagctc tatgatgcct ccaacagcga gtggcagctg ggggaagacca aggtctttct 120
tcgagaatcc ttggaacaga aactggagaa gcggagggaa gaggaagtga gccacgcggc 180
catggtgatt cgggcccatt tcttgggctt cttagcacga aaacaatata gaaaggctct 240
ttattgtgtg gtgataatac agaagaatta cagagcattc cttctgagga ggagattttt 300
gcacctgaaa aaggcagcca tagttttcca gaagcaactc agaggtcaga ttgctcggag 360
agtttacaga caatttgctg gcagagaaaa gggagcaaga anaaaaaaaa a 411
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<210> 2553

<211> 209

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<400> 2553

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gaacagctta gcaaaggaaa ctttggagcc cctctctcag gcagcctggt tgcttcaggt 60
caagaagacc acagacagtg atgccaaggc gatctacgaa cgctgcacct cactgtctgc 120
tgtgcagatc ataaagntcc ttaattcata cacacctata gatgactttg agaagagagt 180
gactccatcc tttgttcgca aagtacagg 209
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<210> 2554

<211> 603

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (550)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1915

<222> (584)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (587)

<223> n equals a,t,g, or c

<400> 2554

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ggcaaaaggt acatcaaggc actggcagaa gaaaacagga atgtggtgga tgggccatac 60
gctggaggtca tgacagctta tgatctgaag aaaacccttg ctgtgttatt agataacatt 120
ttgcagcgca ttggcaagtt ggagtcgaag gtggacaatc ttgttgtcaa tggcaccgga 180
acaaactcaa ccaactccac tacagctgtt cccagcttgg ttgcacttga gaaaattaat 240
gtggcagata tcattaacgg agctcaagaa aaatgtgtat tgcctcctat ggacggctac 300
cctcactgtg agggaaagat caagtggatg aaagacatgt ggcgttcaga tccctgctac 360
gcagactatg gagtggatgg atccacctgc tcttttttta ttacctcag tgagggttgaa 420
aattggtgtc ctcathttacc ttggagagca aaaaatccct acgaagaagc tgatcataat 480
tcattggcgg aaattctaca gatttttaat attctctaca gtatgatgaa aaaagcatga 540
aanaattccn ggtggatgag actacggatc cggcnaaatg gctnacncat ggatccaagc 600
aat                                                                 603
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<210> 2555

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (409)

<223> n equals a,t,g, or c

1916

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<400> 2555
gcgtgtcggg acgtgctggag gctctcactt tccgtcatgg cgctgaagga acaaacaatt 60
cctccgtccg ctaagtatgg cgggctggcac acggtgacca tgatcccagg ggatggcatc 120
gggccagagc tcatgctgca tgtcaagtcc gtcttcaggc acgcatgtgt taccagtgga 180
ctttgaagag gtgcacgtga gttccaatgg ctgatgaaga ggacattccg caatggccat 240
catggggccat ccgccgggaa ccgcgtgggc ccttgaaggg gcaacattcg aaaccaacca 300
ttaaccttgc caccgttcgc acaaattctt gaaacaacat nctttcggca ncagcttngg 360
acntctattg ccaacgttca ttccattggt aagagccttt ccaggcgtng gttgaaccgg 420
gcacaaggac ttngacatnc tccattggt ccggggganaa caanaggggg a 471

<210> 2556
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>

1917

<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<400> 2556
gcaataactca tcattaataa tcataatggc tatagcaata aaactaggaa tagccccctt 60
tcactttctna gtcccagagg ttacccaagg caccctctcn acatccggcc tgntttcttct 120
cacatgacaa aaactagccc ccattctcaat catataccaa atctctccct cactaaacgt 180
aagcctttctc ctcaactctc caatcttata catcatagca ggcagttgaa gtggattaaa 240
ccatcccagc tagcnaaat ctnaacttac tcttcaatta cccacatang atgaataata 300
ncagtcctnc cgtacaacct ac 322

<210> 2557
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

1918

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<400> 2557
gcaacaatat actctccgga caatgaacca taaccaatac taccaatcaa tactcatcat 60
taataatcat aatggctata gcaataaaac taggaatagc cccctttcac ttctgagtcc 120
cagaggttac ccaaggcacc cctctgacat ccggcctgct tcttctcaca tgacaaaaaac 180
tagcccccat ctcaatcata taccaaattct ctccctcact aaacgtaagc cttctcctca 240
ctctctcaat cttntccatc atagcaggca gtttnangtg gattaaacca aacccagctt 300
cgctaaattct tagnatactc ctccaattan ccacatggga atgaaattat agcaggttct 360
tacgggttana accctaacat taacngtcct gaattttaac ttntttnttt tatccctga 419

<210> 2558
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>

1919

<221> misc feature
 <222> (248)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (251)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (260)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (320)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (398)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (430)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (437)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (451)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (468)
 <223> n equals a,t,g, or c

<400> 2558
 gggacaatga accataacca atactaccaa tcaataactca tcattaataa tcataatggc 60
 tatagcaata aaactaggaa tagccccctt tcactttctga gtcccanaag ttacccaagg 120
 caccctctctg acatccggcc tgcttcttct cacatgacaa aaactagccc ccatctcaat 180
 catataccaa atctctccct cactaaacgt aagccttctc ctactctct caatcttctc 240
 catcatanca ngcagttgan gtggattaaa ccaaaccag ctacgcaaaa tcttagcata 300
 ctctcaatt accacatan gatgaataat aacagttcta ccgtacaacc ttacataacc 360

1920

```

attctttaatt taactattta tattatccta actactancg cattcctact aatccactta 420
aatccacan cacgaancta ctactatctc ncaccttaaa aaactttnat taaatacacc 480
cttattcctc c 491

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<210> 2559
<211> 290
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

```

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<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

```

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<400> 2559
gaatatactc tccggacaat gaaccataac caatactacc aatcaatact catcattaat 60
aatcataatg gctatagcaa taaaactagg aatagcccc tttcacttct gagtcccaga 120
ggttacccaa ggcaccctc tgacatccgg cctgcttctt ctcacatgaa caaaaactag 180
ccccatctc aatcatatac caaatctctc cctcactaaa agtaagcctt ctcctcactc 240
tctcaatctt ttccatcttn ncaggctntt anggtggatt naaaccaacc 290

```

```

<210> 2560
<211> 566
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

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1921

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>

1922

<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<400> 2560
gctcgtgccg aattcggcac gagcttctcc tcaactctctc aatcttatch atcatagcag 60

1923

```

gcatttgang tggattaaac caaanccagt tacgcaaaat cttancatac tcctcaatta 120
ccacatanga tgaataatag cagttctacc ntacaacctt aacataacca ttcttnattt 180
aactatttat attatcctaa ctactaccgc attcctacta ctnaacttaa actccagcac 240
cagcacccta ctactatctc gcacctnaaa caagctaaca tgactaacac ccttaattcc 300
atccaccctc ntctccctag gangcctgcc cccgctaacc ggctttttgc ccaaattgggc 360
cattatcgaa gaattcacga cnaacnatag cctcatcctc cccaccatcn ttgnccacat 420
cacctcctta aactctaatt ctaactacgc ctaatctact ccacctcaat tacacttact 480
cccatntctt aanaacntna aaataaatgg acgttggaac attcaaaacc caccatttct 540
ccccacactc aaanacttaa cacgtt 566

```

<210> 2561

<211> 331

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

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gcgctccctt ctccataaaa ttcttcttag tagctattac cttcttatta tttgatctag 180
aaattgccct ccttttacct ctaccatgag ccctacaaac aactaacctg ccactaatag 240
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1926

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 caatcagcca catagnccctc gtagtaacag ncattctcat ccaaaccctcc tgaagctnca 180
 ccgngncagt cattctcata atcgccccag gacttacatc ctcattacta ttctgcctag 240
 caaactcaaa ctacgaacgc actcacaggc gnntcataat cctctctcaa ggacttcaaa 300
 ctctactccc actaatagnt ttttgatgac ttctagcaag cctcgctgan ntcgncttac 360
 ccccantga ttaacctact gggagaactc tctgtgctag taaccacgtt ctccctgatca 420
 aatatnactc tccngntnac aggactcaac atactaatcg cagggcctgg tgctccctct 480
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1927

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1929

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aaaactaagn cccccaatct caattcanta ttacccaaaat tcttcttccc ctccaactta 180
aaaacgntta angcccnttc cttccctcca acttccttct tcnaaattcc tttaattccc 240
attccaatta agccaagggg gcnngntttg aaaaggggttg gggaatttna aaaaccccaa 300
aaanccccc aagcntttnc ccgcaaaaaa aattcctttt aannccaatt aacctncccc 360
tnccaaaattt ttaaccccc nccctttttg gggnaattgn aaaantttta nttaangcca 420
aggtttnccc ttaccgggt ttacccaaaan ccc 453

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1931

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gtatgccacc atctatgagc tgaaagaaga caanagctac aatgtcacct ccgtcctggt 180
tangaaaaag aagtgtgact actggatcan gacttttggt ccangttgcc ancccggcga 240
gttcacgctg ggcaacatta ananttacc tggattaacn anttacctcg tccgagtngt 300
gancacaact acnaccagca tgcnttggtg ttcttccaaa aaatttctcn aaacanggaa 360
ttcttccana tcaccctctn ggaaaaacca ngaacttgac ttccggaact taaaggaaaa 420
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1933

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 aggagggaca gcctggtgtc agctcaggga gaaggccag gcccatctcg gctgggtggg 180
 gtaggggccc tccaggtagt gggggatgag ctgtcacggg ttggggccga ctgagagcaa 240
 cagaacctg ctgctgcctt ggccccacct tgtccagcac aggaggccca agcctgggtt 300
 gtctccctc tcaccaccc atctctccct cccaaggaaa aagaagtgtg actactggat 360
 caggactttt gttccangtt gccagcccg cgagttcacg ctgggcaaca ttaanagtta 420
 ccctggatta acgagttacc tcgtccgaat ggtgagcacc aactacaacc agcatgctat 480
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 gaaccaa 547

<210> 2566
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 <212> DNA
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1934

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<400> 2566

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ggcggctgca gccgagttca aacctaaagca gctggaaggc ccctgtggct aggtaccata 180
gagtctctac acaggagtaa atcagcctgg tgtgcagggg aggcagacac acaaacagaa 240
aattggacta cagtgcctaag atgctgtaag aagagggttaa ctaaaggaca ggaagatggg 300
gccaagagat ggtgctactg tctacttttag ggatcgtctt tcaaggcgag gggcctccta 360
tctcaagctg tgatacagga accatggcca actgtgagcg taccttcatt gcgatcaaac 420
cagatggggg ccagcggggg cttgtggggg agattatcaa gcgttttgag cagaaagggt 480
ccgccttggt ggtctgaatt catgcaagct tccgaagatc ttctcaagga acactacgtt 540
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<210> 2567

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<212> DNA

<213> Homo sapiens

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1935

gagggaggag aggtctggcc tccaactaag tcttgaacaa ggaactggtg aaaactcttt 180
tcgaagcctg acttggccac cttcgggttc cccatctcat gctggtacaa cccacctga 240
aaatggactc tcagagcacc cctgtgaaac agaacagata aatgcaaaga gaaaagatac 300
aaccagtgac aaagatgatt cgctaggaag ccaacaaaca aatgaacaat gtgctcaaaa 360
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<210> 2568

<211> 441

<212> DNA

<213> Homo sapiens

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<220>

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<400> 2568

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gagcagcggt cttttatctc cgtcgcgnctt ctctcctacc taagtgcgtg ccgncacccg 180
atggaagatt cgatggacat ggacatgagc cccctgaggc cccagaacta tcttttcggt 240
tgtgaactaa aggccgacaa agattatcac tttaagggtg ataatgatga aaatgagcac 300
cagttatctt taagaacggt cagtttaggg gctggtgcaa aggatgagtt gcacattggt 360
gaagcagagg caatgaatta cgnaggcagt ccattaaagt aacactggca actttgaaaa 420
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<210> 2569

<211> 520

<212> DNA

<213> Homo sapiens

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1936

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<220>
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actctggttt taagcaacct ctctacagt gcaacagaag aaactcttca ggaagtattt 180
gagaaagcaa cttttatcaa agtaccacag aaccaaaatg gcaaatactaa agggatatgca 240
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gaaattgagg gcagagcaat caggctggag ttgcaaggac ccaggggatc acctaatagcc 360
agaagccagc catccaaaac tctgtttgtc aaaggcctgt ctgaggatac cactgaagag 420
acattaaang gagtcatttg acggnttcgg nttcggggcca aggatagttt actggccccg 480
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<210> 2570
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<212> DNA
<213> Homo sapiens

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<220>
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<222> (149)
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1937

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<222> (222)
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<220>
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<220>

1938

<221> misc feature
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<220>
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cctcgctgat ganctggtct gcgattcctna atgggggagg cgtgcccgcc ggggggctag 180
tgccacgct gcagagcctc ggggctggtg gcagcaaagt cntcatangt aatattggtg 240
ccctgatggg ctacgccacc cacaantatc tcgatagtga ggaggatgan gaganccag 300
cagctnccan aacctcttct tccttcttgg cctaactctt ccagntagga tctagaactt 360
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<210> 2571
<211> 432
<212> DNA
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<220>
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<222> (213)
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<222> (254)
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1939

<223> n equals a,t,g, or c

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<221> misc feature

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<400> 2571

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gcttttccct gagggcgggg gacagcctga tgaccgtggt acaatcaatg acatctctgt 180
gctgagagtg actctgtgct gagagtgact cgncgtgggg aacaggctga tcatttcacc 240
cagacacccc tggntccagg aagccagggt ctngtccgng tagattggga gcggagggtt 300
gaccacatgc agcagcattc agggcagcat ctcatcacgg cagttnttga ccatctattt 360
aagctgaaga caacatcatn ggagttaggg agatttcgga gtgcgattna gctggacacc 420
ccctctatga ct                                     432
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<211> 693

<212> DNA

<213> Homo sapiens

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<220>

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<221> misc feature

<222> (614)

<223> n equals a,t,g, or c

1940

<220>
<221> misc feature
<222> (635)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (663)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (687)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (688)
<223> n equals a,t,g, or c

<400> 2572
gcaaagactt gcccacctga ataagtgcct gatgaacttt aagctagggg atttcagcta 60
tcaaaaaaac ccaactgaaat tgggagagct tcaaggaaac cacttcactg ttgntctcag 120
aaatataaca ggaactgatg accaagtaca gcaagctatg aactctctca aggagattgg 180
atattattaac tactatggaa tgcaaagatt tggaaccaca gctgtcccta cgtatcaggt 240
tggaagagct atactacaaa attcctggac agaagtcatg gatttaatat tgaaaccccg 300
ctctggagct gaaaagggct acttggttaa atgcagagaa gaatgggcaa agaccaaaga 360
cccaactgct gcctcagaaa actacctgtc aaaagatacc cagaaataat cgcttaatgt 420
atattcatag ctaccaaagc tatgtgtgga ataacatggt aagcaagagg atagaagact 480
atggactaaa cctgttccag gggacctcgn tctcaaagga cccagcccc tatattgagg 540
aagatgatgt aataattact ctatncatga tgtgggaatg ccttgccctgg ttctgatggg 600
atctacccca agcnttaaaa ttcaagaagc ctacngggaa atgctcccag ttgacaatct 660
ganatggcca cctgagaccc aaaatcnnaa ttt 693

<210> 2573
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>

1941

<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<400> 2573
tcgaggctga cggtgacggt gttgataatg agatcaaact gccccgccag tgctttcagt 60
gcctgcggat cgcggctatt caccacttta tcggcaccca tcgccagcac ttctgtctct 120
ttcgccggat tagaactaaa ggctgtcacc tcgcatccca ttgcgtgcag aagttttata 180
gcatatgcc ccagcccgcc aataccaatt accccaacgc ggctggtagc agtgcataatg 240
gtgcatcaac agtgggttta agaccgtgga taccgncgca caacagcggc cccggnggac 300
tcgatatcca atatTTTTct gggcagtggg attcacccat tgnccatncc gnacggaant 360
tttnggcaag ccaccgggat ttcaaatacgt ggggnaccga acttggt 407

<210> 2574
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)

1942

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (383)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<400> 2574

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ggcanagnaa acagaaaact gcaaaatatt gatgacaaaa attaaagaag acataaataa 60
atggagaaat ataccatgct catggattgg aagacttaca ttgctaaact gtcacttctc 120
cccagatgga tctacagagt ccacataatc tcaacttaaaa ctccagaaga aatTTTTatg 180
aaagttgaca gctgattcta aaatTTTaca tagaaatgca aaggTctccg aatagtcaaa 240
acaattagga aaaggaaaaa caagttggaa gacttacttt cgggctgggt taaaggtgga 300
ctacacagtt acagtaatca gataggttgg tattaggttg gacagttggt tcattggatt 360
ggntgcgggt tttggattng acncacacng aattgtncct tggTTTTtta atagt      415
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<210> 2575

<211> 193

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (157)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (172)

<223> n equals a,t,g, or c

1943

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<400> 2575
ggcagcggcg gcggcgcgga gagacgcagc ggaggttttc ctgggtttcgg accccagcgg 60
ccggatggtg aaatcctccc tgcagcggat cctcaatagc cactgcttcg ccagagagaa 120
ggaaggggat aaaccacgag ccaccatcca cgccagncgc accatgccgc tnctaagcct 180
gcacagnccg nng 193

<210> 2576
<211> 469
<212> DNA
<213> Homo sapiens

<400> 2576
gaaacagagt ccagagctgg tgaagaagca caagaaaaag agggttgtcc caaaaaagcc 60
tccccatca cccaaccta cagggaaaat tgagatcaaa attgtccgcc catgggctga 120
agggactgaa gaggggtgcac gttggctgac tgatgaggac acgagaaacc tcaaggagat 180
cttcttcaat atcttgggtgc cgggagctga agaggcccag aaggaacgcc agcggcagaa 240
agagctggag agcaattacc gccgggtgtg gggctctcca ggtggggagg gcacagggga 300
cctggacgaa tttgacttct gagacaaac agcagagtgg agctgagctg tggacctctc 360
gggcaactct gtgggtgtgg gggccctggg tgaattctgc tgcccctgct ggcagccacc 420
ttgagacctc accgggcctg tgattttgc tctctgaact ctactcaa 469

<210> 2577
<211> 347
<212> DNA
<213> Homo sapiens

<400> 2577
ttgtaattta aggatcgggg accaaaaatg tttaaagact aaatgtgttc acattactat 60
agatatgtct ataagggtgaa gattcttttc ttaggtatac aaatgtgatg ttgtatataa 120
atgggcttcc caccacaaa tgcttattag cctaaaatgg cctgaaagct ctagttaatta 180
aattatttct ctgcgtccta attttttgtc tttgaaacag attattttaga aaatcatgta 240
cttcgcttaa gtttctaact tttacttgc ttttccagag ttatttatac caaatcctac 300
aggggattgt gttttgtcac tctagaagag ttcttcacag agactta 347

<210> 2578
<211> 330

1944

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<400> 2578

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gctcgtgccg aattcggcac gageggcacg agtaagggtt cctgctttca cagaattatt 60
ccagggttta tgtgtcaggg tggtgacttc acacgccata atggcactgg tggcaagtcc 120
atctatgggg agaaatttga agatganaac ttcatacctaa agcatacggg tcctggcatc 180
ttgtccatgg caaatgctgg acccaacaca aatgggtccc agtttttcat ctgcactgcc 240
caagactgat tggttgggat ngccaacatt tgtnttttg ggcaaagttt aaaagaaagg 300
catgaatatt gttggaaagg ccatggaacn 330
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<210> 2579

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

1945

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>

1946

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<400> 2579

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cctggtggac tacaccctgt caancccgagc acgtgctgnt ganacancca gaaccgcgg 120
cgggacgcac tgangagggc cntnagtcag tacctgacgg acaggggttcn ctggagggac 180
tgaagacggc cgngcccacc atggcgggcac aacanccccc gatacccatg ccagtgtgtg 240
tgccaaggat cancggtcac caccatgac tgctgccctc ggcacanggg cctngnccac 300
tggatgtgac cttctccat cat 323
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<210> 2580

<211> 546

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

1947

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<400> 2580
gntttggggt catccccctt ggccacaaag tcaactggcca tgtgctgcac atcctcctca 60
agatgacatt catcgtccaa cgaccggtgg ctgctgctcc cttaggtctt cccaaccaca 120
gtttctccca attgctccaa atattcctca gcccagcagg tgggggaaat ggccaagggg 180
tctgtaactt cagaaatgaa tgattgggac cagtctgtct cattataatc ctgaattaca 240
tccacagcat ctccagctgc aagtcactct gggcccagtt ctcagacaag gccaaagtcgg 300
ncacaccagg ggctctctgg ggagcctgga ggaagtttga ctcttnagtc tgctgcatct 360
cagccaggag ttcatccatc ttcaaggtct gaggggcacg ggatacaagg gtacactgtg 420
gtcctgcagg aattnaccca ccaattcatc ttnagaagct actcccaaag gctttggaga 480
ctgcctcaga ggctggggct cggaggcngn gcanggggtca ngcgtcaggc cttagtgtct 540
ctgctg 546

<210> 2581
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)

1948

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (438)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (459)

<223> n equals a,t,g, or c

1949

<400> 2581

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ncctgtggcg ggtgtgggga gcgagagccca gagctcctgt ggggcccgtg ctttggcggt 60
gggcccagcc gggagcagcc tctttcgaag gccgccgtga cctcttcaag ggcgtggaga 120
cggaagga aaggccccgg ttgggggttc agggcgccgg taacgttaac cggcgccctg 180
cctgtcctct aaccgtcgct cctcctccc ctagaaagat gttctcgtec gtggcgacc 240
tggcgcgggc gaacccttc aacacgccac atctgcagct ggtgcacgat ggtctcgggg 300
acctccgag canctncca gggcccacgg gccanccccg ncgcctcgca acctgcagcc 360
gncgncgtgg aagagtacag ttgtgaattt ggctncgcga agtattatgc actgtgtggc 420
ttttggtggg gtcttaantt gnggtctgac acanactgnt ggggttcccc tggattta 478
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<210> 2582

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

1950

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 2582
attcggcacn aggtgaaaag gggcttggtg ttaaggaatg aaaagtgcaa tgagaactat 60
accactgact tcattttcaa cctgtactct gaggagggga agggcatcct cgacagcagg 120
aanaatgtgc ttggtcacat gcagcagggg gggagcccaa cccatttga taggaatttt 180
gccactaaaa tgggcgccaa ggctatgaac tggatntctg ggaaaatcaa aaaaaattac 240
cgtaatgggc ggatctttgc cnatactcca natccggctt tgttcttggg atacttaaaa 300
ngcctggtct tccancagtg gctgactgaa agacaacnat 340

<210> 2583
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)

1951

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (432)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (443)

<223> n equals a,t,g, or c

<400> 2583

aaggtgaaag	agctgaagag	ggctaagacg	gtgctcacgg	tcattaaatg	gaaaggggaa	60
aaatccaagt	atccacagac	ttcgccatgc	agaatgttct	gctgcagatg	gggctgcacg	120
tgctggcggg	gaacggcatg	ctgattcgtg	aggcccgagg	ctacatcttg	cgctgccatg	180
gctgtttcaa	gacaacgtct	gacatgagcc	gagtgttctg	ctcacactgt	gggaacaaga	240
ccctgaagaa	atgtccgtga	ccgtcagcga	caacngcacc	cttgccatg	cacttctccc	300
gcaaccccaa	ggtgctgaac	ccnccgggct	ccggtactcn	cttcccactc	ccaaangggg	360
gcaaataccc	atcaacccca	tctcnccaaa	gatcacnct	ccctccactt	gcaatctcca	420
aaaggccagg	cnaaaaacca	ctnttcccc	taatactccc	cg		462

<210> 2584

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<400> 2584

cggctcgcccc	caccggcccc	atggcagccc	ccggcgcccc	agctgagtac	ggctacatcc	60
ggaccgtcct	gggccagcag	atcctgggac	aactggacag	ctccagcctg	gcgctgccct	120
ccgaggccaa	gctgaagctg	gcggggagca	gcggccgcgg	cgccagaca	gtcaagagcc	180
tgcgatcca	ggagcaggtg	cagcagaccc	tcgnccggaa	ggccgcagct	ccgtgggcaa	240
cggaaatctt	caccgaacca	gcagtgttct	gagtatgtct	acaacctaca	cttggtgaaa	300
atgattttgt	tggaggccgt	tcccctgttc				330

<210> 2585

<211> 273

<212> DNA

<213> Homo sapiens

<220>

1952

<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1953

<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<400> 2585
gctcgtgncg attcgggcacn agacggggget cntcccattt atcccagtggt ctcaacaact 60
tnntttgccct cccctttctcc nccatgggett cccancttga catgtctncc gtggtggggg 120
caggggnaaa gcatacncca gactcttgna acaagtgttc cncctgggga ctctgtcaca 180
agtcctatag aagcctctca agtccnantg cctctggaaa gncctctcaa ttacattcnc 240
accaccctgt gccccaaaaa aggggncccca tca 273

<210> 2586
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>

1954

<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<400> 2586
gctctgacag tgacaaagag tggattgctg ctctgctgctg gaaatatcga agccgagagc 60
aaaccctgtc ctccagtggc gaaagctggg agactctgcc ggggaaagaa gagcgggaac 120
ctccacaggc taaggtgagt gccagcactg gcaccagccc tggccccggt gctagtgcc 180
gtgccggggc tggcgccggg gccaatgctg gcagcaatgg cagcaattac cttgaagaag 240
ttcgagaacc atctcttcag gaagagcagg catccctgga agaaggagaa attccttggc 300
tccagtacca tgagaatgac agtagcagt aggggggataa tgattctggt cacgagttga 360
tgcaacctgg ggtattcatg ctggatggaa acacaacctt gaagatgact tcagtgtgan 420
cgaagaccta naantggatt ggaaccttnt tgatggattt gcanatgggt taaggaatgg 480
ct 482

<210> 2587
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>

1955

<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<400> 2587
gtctttgnac aattttaatgg gaaaagatgc accgacgctg tgggagacag acgacagtgt 60
gtgcccacag agccctgtga ggatgctgag gatgactgcg gaaatgactt tcaatgcagt 120
acaggcagat gcataaagat gcgacttcgg tgtaatggtg acaatgactg cggagacttt 180
tcagatgagg atgattgtga aagttagccc cgtccccctt gcagagacag agtggtagaa 240
gagtctgagc tggcactaac agcaggctat gggatcaaca ttttagggat ggatccccta 300
agcacacctt ttgacaatga gttctacaat ggactctgta accgggatcg ggatggaaac 360
actctgacat actaccgaag accttggaac gtggcttctt tgatctatga aaccaaaggc 420
gagaaaaatt tcanaaccga acattcnaaa aacaaattgn ancatttaaa agtatcat 478

<210> 2588
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<400> 2588
ggaagaattc ctctgaaggg aacaagcatc acaagagtac acctctactc attcactgca 60

1956

```
gggatggatc tcagcaaacg ggaatatattt gtgctttgtt aaatctctta gaaagtgcgg 120
aaacagaaga ggtagtggat atttttcaag tggtaaaagc tctacgcaaa gctaggccag 180
gcatggtttc cacattcgag caatatcaat tcctatatga ccgtcattgc cagcacctac 240
cctgctcaga atggacaagg taaagaaaaa caaccatcaa gaagataaaa ttgaatttga 300
taatgaagtg gacaaaagtaa agcaggatgc taattgtgtt aatccacttg gtgccccaga 360
aaagcttctg aagcanagga acaggctgaa nntntgaacc cncgagtggc cttgatgggc 420
ca 422
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<210> 2589

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<400> 2589

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gcagngggac aacgccgctg tcgccctgct gcagcccttc ctggtggtca ccaaggaggc 60
cttttgacaga tcctttgagg tgaacctgcg tgcggtcatc caggtgtcgc agattgtggc 120
caggggctta atagcccggg agtcccaggg gccatcgtga atgtctccag ccagtgtctc 180
cagcgggcag taactaacca tagcgtctac tgctccacca agggtgccct gggacatgct 240
gaccaagggtg atggccctag agtcggggcc ccacaagctg tcccggtgta gatccgagtg 300
aatgcagtaa accccacagt ggtgatgacg tccatggggc aggccacctg gagtgacccc 360
cacaaggcca agactatgct gaaccgaatc ccacttggca agtttgctga ggtagagcac 420
gtggtgaacg gcacccctct tctgctgagt ga 452
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<210> 2590

<211> 672

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (329)

1957

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (441)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (463)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (513)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

1958

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<220>
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<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (606)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (627)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (647)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (669)
<223> n equals a,t,g, or c

1959

<220>
<221> misc feature
<222> (670)
<223> n equals a,t,g, or c

<400> 2590
ggacaatgnt tttcttttaa atactcagag gacaggatca ctgtggantc gaatcagaag 60
tgggtggctgg aattccacgc accgatcagt actgggaaaa gatctaattc gccgtgggcc 120
tgtcgtgcca gtcctggggg cgagatcggg gtagaaatgc attttattct ttaagttcac 180
gtaagataca agtttcaggc agggctctgaa ggactggatt ggccaaacat cagacctgtc 240
ttccaaggag accaagtcct ggctacatcc cagcctgtgg ttacagtgc gacaggccat 300
gtgagccacc gctgncagca cagagcgtnc ttccccctgt agactggttg ccaactcctg 360
gaacactgac tgtggcccc ttctgtgatcc atncatcttc agggagcnag acatatgacg 420
caggaatgga aagcggagtt nctaacagga tgaaagtcc ccnatcantt cccccantnc 480
cttcaagcaa gtanctttcc acatttgtca cannaaatta tangananat ggggtgttggg 540
agcccttttn gagaacncca gntttccag gccctgcac ttatcgagtt ttgcaatggg 600
tacaancttt ttgatctgtg ttcacntga attcttttaa tataaanttt ctttttctct 660
ctttatctnn tt 672

<210> 2591
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1960

<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)

1961

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (308)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<400> 2591

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cncatatchnn agccccagca gcancgcccc aagcaacccc aataacaacg ccatggccgg 60
gtggaaacgc ctacatcgac aacctcangg cggacgggga cctgtnagaa cgcgccatcg 120
tggctacaag gactcgccnt ccgtctggcc gccntccccg gnaaacgtnc ntaaanttaa 180
cncaagctga agtgggtgtcc tggttggcaa aaaccggcaa gttttacttt aatggctgac 240
actttggggg ccagaaatgt tcggttnatc ccggaattaa ttgttncaag aatgggggaa 300
attnacntg gaattttttn tt                                     322
```

<210> 2592

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (510)

<223> n equals a,t,g, or c

<220>

1962

<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<400> 2592
naaaaagggg tcactatgga gttcaaagga cagaactcct gcctgggtgac cgggacaacc 60
tgccattca gacccggggt ggcccagaaa agcatgaagt aactggctgg gtgctggtat 120
ctcctctaag taaggaagat gctggagaat atgagtgccca tgcaccaat tccaaggac 180
aggcttcagc atcagcaaaa attacagtgg ttgatgcctt acatgaaata ccagtgaaaa 240
aaggtgaagg tgccgagcta taaacctcca gaatattatt agtctgcatg gttaaaagta 300
gtcatggata actacattac ctgttcttgc ctaataagtt tcttttaatc caatccacta 360
acactttagt tatattcact ggttttacac agagaaaatac aaaataaaaag atcacacatc 420
aagactatct acaaaaaattt tattatatat tttacngnaa gaaaaagcct tgcnttatca 480
ttaaaccaat taaaaatacc ttttttattt acancccc 518

<210> 2593
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>

1963

<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (520)
<223> n equals a,t,g, or c

<400> 2593
accaaaactga gtgtgtgtgtgt gtgtgttttat tgggggtgtgg catgaggcga gtgtgtaaga 60
cagagagcaa aagagctaca gaggccactc taagcagcag catcatgtga ccactaaaga 120
tttacacctg aaactaaata cagaatgttc tatctctaca gattccaaag gttttcctaa 180
aaatataacc aacaacaggg ggaaaaaaag ataccagat tccaaggacc tcacgatgg 240
gctgaaaacc tatgacacca gcttcctgga ctttctccag aaggtgtttg gtatggggaa 300
cctttctctt tcgcatggac cccgggacca ggccctccaa gcatggcttg ggattcctc 360
agtcttcggg aacctccaag ccacagccca ggccccagac cctggaggga antccantt 420
cctttttnc cctcttgag acaagggaag ggacaagggt tccagggtng tcattcactc 480
ggagcagnaa aggcagatgg agattnancc aaagggattn ccaggggaaa ccaaag 536

<210> 2594
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>

1964

<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<400> 2594
gggtgnatgg ggtatttcac cacgtggngc tggctacaca tttggacaag acatttctga 60
aacctttaac catgccaatg gtctcacact ggtttctcgt gccaccagc ttgtaatgga 120
gggatacaat tgggtgtcatg atcggaatgt ggttaccatt ttcagtgcac ccaattactg 180
ttatcgttgt gggaaccagg ctgctatcat ggaattagat gacactttaa aatattcctt 240
ccttcaattt gaccagcgc ctgctcgtgg tgagcctcat gttacacggn gcacccaga 300
ctacttccta taaatttctc ctgggaaacc tgcctttgna tgtggaagta tacctggntt 360
tttaaaatat atgtatttaa aaacanan 388

<210> 2595
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)

1965

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<400> 2595

```
ggggactcct gacatagcca gctgctgtga aataatggaa gagcttacia cctgccttaa 60
aaattaccga aaaaccttaa tacatagctg cttgtctcct actatacctg tctgacacaa 120
tatcaccaga gcaagccata gacagcctgc gagacctaaaggatccggg gcaatacaga 180
ccatcaagca atacaattat cttcatgagt ttcgggacaa attagctgca catctatcat 240
caagagattc acaatcaaga tctgtatcaa gataaaggaa ttcaaatagc atatatatga 300
ccatgtctga aatgncagtt ctctacataa tttggattga aatgaaacca ccagtgggat 360
caacttgaat gnaaatgtcc tgtgccnata ttcctaaggt ttattgcaa aaaaannn 418
```

<210> 2596

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (425)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

1966

<400> 2596

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gggcgcccag cgcgggtccg agcagaactg gggctccctt gcatcttcca gttacaaatt 60
cagtgccttc tgcagtttcc ccagagctcc tcaagaataa cggaaggag aatatgacag 120
atacctagca tctagcaaaa taatggcagc tgcttacctt gaccccaact tgaatcacac 180
accaaattcg agtactaaga ctcacctggg tactgggatg gaacgttctc ctgggtgcaat 240
gggagcagag attaaaggtc tttcattatt ttgaaagcaa tagtgagcca accacctggg 300
ccagtattat naggcattga gatgctactg atgtcagggg catcattcag aagatagtgg 360
acagtcacaa antaaagcat tgtggngctgc tatggattcc cgcctcagtc cttgcngtc 420
agatngaagg ttcactggnt tcac                                     444
```

<210> 2597

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (312)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<400> 2597

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ggagaagctt ccaggaatac atggcccaaa tggagaagaa gttggaggag gaaagggaaa 60
accttctcag agagcatgaa aggttgctaa aacacaagct gaaggtaaca gaagaaatgc 120
ttaaggaaga atttcaaaaag aaatctgagc agntaaataa agagattaat caactgaaag 180
aaaaaattga aagcactaaa aatgaacaag ttaaggctct taaagatcct tgacatggct 240
agcaacataa tgactgtcac tctacctggg gctttcaagc tacttggagt agggacaaaa 300
```

1967

tgatcttggc tnacgtattn aagagcctna atattccagt taagaaantt ataatatnag 360
gt 362

<210> 2598
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 2598
cccacgcgtc cgcttgggct tctttgaagg ctctgtgctg ttccccgagc ccctgacatg 60
gatggataag ctggtggtgg agtacgcaa cgccatttgc caatgggagc gtaacaagtt 120
gcagtgtctc gacacggagc aggtggaggc cgacctggag tgaggcctcc ggactctggc 180
acgtccaac agccctcctc tggaaagetgc gtccctcac cccctgtttc aggtctccca 240
tctccctcag tgacctggat ctgacctcac accatcagca gggggcacc accatgcaca 300
cctgtctcgg antaagcaac tcttcctggg gntccaggc tatttttgtt gcttaattac 360
tggttttctc cattgcattg ttaggcattg tgacaantga cagaattctt gcctcttgtc 420
cagtttcaac atctggttgc ttttaaccaa ntacatctag 460

<210> 2599
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)

1968

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<400> 2599

```
aattcggcag aggcagaaca aggagcatgt gattgaggcc ctgcgcaggc anagttcaag 60
tttcctggcc gccagaagat ccacatctca aagaagtggg gcttcaccaa gttcaatgct 120
gatgaatttg aagacatggt ggctgaaaag cggnctgcat cccagatggc tgtgggggtca 180
agtacatccc cagtcgtggg cctcttgga caagtggcgg gccctgcact ncatggaggg 240
ctttccaatg tgcttgcccc cctcttgaat acttcaccaa taaaattcta atttcctggt 300
ccaaaaaaaa aaaaaaaaaa aattccgggg gggggcccgt aaccatttg gccccttagg 360
nggttgtttt t                                     371
```

<210> 2600

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (144)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (289)

<223> n equals a,t,g, or c

1969

<220>
 <221> misc feature
 <222> (292)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (304)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (313)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (365)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (373)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (379)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (399)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (406)
 <223> n equals a,t,g, or c

<400> 2600
 ggcagagtga attcantcag aactttatgt aagacctgat gacgtccatg taaacatccg 60
 gctagtggag ttgtatcgct caactaaaag attgaaggat gctgtggccc actgccatga 120
 ggcaagaagg aacatagctt tgcnttncaa gttagagtg gaattcgtgt gttgtacaga 180
 cccttaagtt ttgatagtgc tcttcagtct gcgaaatcct ctttgggtgg aaatgaatga 240
 actgtgcagc taactttcctt agaaatgaaa aggacatttc tatatgttng cnggttctct 300
 ggtnccttgaa agntgggtcc agcatggtaa taatgttcca atggcgagct ctttctgagc 360
 tggngggcctt tngnctatnt catagcattt cagtaagtnt tcccantgta gggggg 415

<210> 2601

<211> 251

1970

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (221)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<400> 2601

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cctgacagta ctgtccatct gcctgagcgc cgtggccacg gccacggggg ccgagggcaa 120
aaggaagctg cagatcgggg tcaagaagcg ggtggaccac tgtcccatca aatcgcgcaa 180
aggggatgtc ctgcacatgc actacacggg gaagctggaa natgggacan agtttgacag 240
cagcctgccc c                                     251
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<210> 2602

<211> 517

<212> DNA

<213> Homo sapiens

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1971

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1972

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1973

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<400> 2602

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gagggtcccc tncctactaa gtgcctcttt gcatagnacc agtccccacc cgnacgggtct 120
ctggaccact acagntgnac gggcaanggc gggtcgggga ggcgcanacg gncccnatgg 180
nccanctgnt gggnacaaaga tctgtcaatt taagctggnt ctncnngggg agtcttcggg 240
aggcaaatcc agccttgtcc tccgcttttt caaggggncaa ttttacngnt accacgagag 300
cacaatttga gcgggctttc tnananagac ttttttcctt ggtgcaaaaa cagtcaaagt 360
tttaganttg gncaaaaatt ggcaaagagc ggtttanagc ttgcccccat gtatttttgg 420
gggcccagtt tcctctngct ttttaatacc acacagtnna ttttaagggc cagaatttgt 480
taagggttta anggaagcca cccacaatgt aattnaa 517

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<210> 2603

<211> 505

<212> DNA

<213> Homo sapiens

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<222> (13)

1974

<223> n equals a,t,g, or c

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<221> misc feature

<222> (387)

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<222> (389)

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1975

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<220>
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<222> (483)
<223> n equals a,t,g, or c

1976

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<222> (492)
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<222> (498)
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<220>
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<222> (500)
<223> n equals a,t,g, or c

<220>
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<222> (503)
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<400> 2603
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ttctaaagaa aaactaggga tttagaggac gtttgggcac tgaacgcaan tttctgcata 120
ggaaacctag gngatccccc aaaagaggtc cctctggtag gccctcgaga tgctgctggc 180
ggcctggggg aaatcctcat tgacgattca atttggtgaa ggccaatttg tggactccta 240
cgatccaacc atagaaaaca cttttacaaa gttgatacaca gtcaaatagga cangattatc 300
atgttnaact tgtagacaca gccggggccaa gatgaatatt ctatcctttc cctcaggaca 360
tactccatag atattaatgg gttatantnc tnntgtantc ctgnnacacc attcaaaaagg 420
tttgnagggg ttttaagttat ccctggggcaa tngtgggtat ngtggggggaa ggacaataac 480
cnntttgttg gntgggggntn agnag 505

<210> 2604
<211> 171
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

1977

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<220>
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<222> (101)
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<222> (165)
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<400> 2604
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cacngaattgn gtattactgt gcgagacaca ccaaccagca ncacccganc tacaggatga 120
aacgggtggat cgacccttgg ggccangga cccnggtcac cgacnactca g 171

<210> 2605
<211> 467
<212> DNA
<213> Homo sapiens

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<220>

1978

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<222> (349)
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<222> (451)
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<220>
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<222> (467)
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<400> 2605
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gggacttgag actcaccggc cgcacgccat gagggccctg tgggtgctgg gcctctgctg 120
cgtcctgctg accttcgggt cggtcagagc tgacgatgaa gttgatgtgg atggtacagt 180
agaagaggat ctgggtaaaa gtagagaagg atcaaggact tcctgctcac agcccgacga 240
aaggatgcc aatctgtcaa gatcaagaaa aataaggaca acgtgaagtt taaagttcga 300
tgcagcagat acctttacac cctggtcatn actgacaaaag agaaggcana gaaactgaag 360
cagtccttgc cccccgggtt tgcccagtga aggaactgaa atgaaccaga caaactgat 420
ttngaactgn cnttatatta aaatactaaa naccctaata tattcan 467

<210> 2606
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

1979

<222> (60)
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<222> (87)
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<222> (280)
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<222> (283)
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<220>
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<222> (300)
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<400> 2606
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tcaacatctg tgttggggag agtgganaca gactgacgcg agcagccaag gtgtnggagc 120

1980

```
agctcacagg gcagaccnt gtgntttcca aagctagata cactgtcaga tcctttggca 180
tccggagaaa tgaaaagatt gctgtccact gcacagttct aggggccaag gcagaagaaa 240
tcttgagaaa nggtctaaag gtgcgggagt atganttaan aanaaacaac ttctcagatn 300
ctggaaactt tgg                                     313
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<210> 2607

<211> 324

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (172)

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<220>

<221> misc feature

<222> (213)

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<222> (233)

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<222> (234)

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<222> (269)

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<222> (299)

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1981

<221> misc feature

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<400> 2607

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gatatatgtt ctctaggcct tttanaaaac atggagttgt tcctttggcc acatatatgc 120
gaatctataa gaaaggtgat attgtacaca tcaagggaat gggactgtt cnaaaaggaa 180
tgccccacaa gtgttaccat ggcataactg gangagtcta cnatgttacc kannatgctg 240
ttggcattgt tgtaaacaaa caagttaang gcaagattct tgccaagaga attaatgtnc 300
gtattgagca cattaancac tcta                                     324
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<210> 2608

<211> 625

<212> DNA

<213> Homo sapiens

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<220>

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<222> (524)

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<222> (552)

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<222> (563)

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<222> (577)

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<220>

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<222> (604)

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1982

<400> 2608

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ttaaaggcca agaaggcagt gttgaaaggt gtccacagcc aaaaaaagaa gaagatccgc 120
acgtcaccca ccttcggcg gccgaagaca ctgcgactcc ggagacagcc caaatatcct 180
cggaagagcg ctcccaggag aaacaagctt gaccactatg ctatcatcaa gtttcgctg 240
accactgagt ctgccatgaa gaagatagaa gacaacaaca cacttgtgtt cattgtggat 300
gttaaagcca acaagcacca gattaaacag gctgtgaaga agctgtatga cattgatgtg 360
gccaaggcca acaccctgat tcggcctgat ggagagaaga aggcataatgt tcgactggct 420
cctgattacg atgctttgga tgttgccaac aaaattggga tcatctaaac tgagtccagc 480
tgcctaattc tgaatatata tatatatata tcttttcacc atanaaaaaa aaaaaaaaaa 540
agggccggcc gntctagagg atncaanctt acgtacnctg tgcatgccga cgtcttagct 600
cttntatagt ggtcacccta aaatt 625
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<210> 2609

<211> 151

<212> DNA

<213> Homo sapiens

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<220>

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<222> (90)

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<220>

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<222> (107)

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<222> (110)

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<222> (126)

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<400> 2609

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ggccccgggtg gttgctgccg aaatgggcaa gttcatgaaa cctgggaang tggtgcttgt 60
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1983

cctggctggg acgctactcc ggacgcaaan ctgtcatcgt gaagaanatn gatgatggca 120
 cctcanatcg cccctacagc catgcnctgg t 151

<210> 2610
 <211> 431
 <212> DNA
 <213> Homo sapiens

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<220>
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<220>
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 cgggtccggaa ttcccgggtc gacccacgcg tccgggtcgcc gctgcgggagg gagccgcccgc 120
 catgtctgcg catctgcaat ggatgggtcgt gcggaactgc tccagtttcc tgatcaagag 180
 gaataagcag acctacagca ctgagcccaa taacttgaag gcccgcgaatt ccttccgcta 240
 caacggactg attcaccgca agactgtggg ctggagccgg cagccgacgc aaagttcttg 300
 tgggtcatta acggaatccg gcacggaacc tgccactcct atgtgcgaca catcaacaga 360
 tgtecgcccc tcacactcaa cctatcccaa acatacccca ctgcctgnac acnaggcann 420

1984

ctctccncaa c

431

<210> 2611

<211> 142

<212> DNA

<213> Homo sapiens

<220>

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<222> (22)

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<220>

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<222> (29)

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<222> (102)

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<222> (119)

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1985

<220>
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<222> (138)
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<400> 2611
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taacccgaga atacnccatc aacattcaca atcgcatcca tngagtgggc ttcaagaanc 120
gtgcacctcg ggcactcnaa ga 142

<210> 2612
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<400> 2612
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gctctagaac tagtggtatcc cccgggctgc aggaattcgg cagcagggtg tctgcaggca 120
ctcagaatgg tccagcggtt gacataccga cgtaggcttt cctacaatac agcctctaac 180
aaaactaggc tgtcccgaac ccttggtaat agaattgttt acctttatac caagaagggt 240
gggaaagcac caaaatctgc atgtggtgtg tgcccaggca gacttcgagg gggtcgtgct 300
gtaagacctt aagttcttat gagattgtcc aaaacaaaga aacatgtcag cagggcctat 360
ggtggttcca tgtgtgctaa atgtgttcgt gacaggatca agcgtgcttt ccttatcgag 420
gagcagaaaa tcgttgtgaa agtggtgaag gcacaagcac agagtcagaa agctaaataa 480
aaaaatgaaa cttttttgag taataaaaaat gaaaagac 518

<210> 2613
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

1986

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
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<222> (224)
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<220>
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<222> (244)
<223> n equals a,t,g, or c

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<222> (259)
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<220>
<221> misc feature
<222> (269)
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<400> 2613
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acagctacct gacccccgac ctctggaagg agactgtntt caccaagtct cctatcagg 120
agttcactga ccacctcgtc nagaccaca ccagagtctc cgtgcagcgg actcaggctc 180
cagctgtggc tacaacatag gggttttata cangaaaaat aaantgaatt aagcgtgtta 240
aaanaaaaaa aaaaaaacnc gaaaccaan 269

<210> 2614
<211> 451
<212> DNA
<213> Homo sapiens

<220>
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<222> (6)

1987

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (224)

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<220>

<221> misc feature

<222> (366)

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<222> (394)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<400> 2614

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gcgggccacgt gcagcctatt cgctgcacta actgtgcccc atgcgtgccc aaggacaagg 120
ccattaagaa attcgtcatt cgaaacatag tggaggccgc agcagtcagg gacatttctg 180
aagcgagcgt cttcgatgcc tatgtgcttc ccaagctgta tgtnaagcta cattactgtg 240
tgagttgtgc aattcacagc aaagtagtca ggaatcgatc tcgtgaagcc cgcaaggacc 300
gaacaccccc accccgattt agacctgcgg gtgctgcccc acgtcccca ccaaagccca 360
tgtaangagc tgagttctta aagactgaag acangctatt ctctggagaa aaataaaatg 420
gaaattgtac ttaanaaaaa aaaaaaangg n 451

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<210> 2615

<211> 293

<212> DNA

<213> Homo sapiens

1988

<220>
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<220>
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<220>
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<222> (292)
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<220>
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1989

<400> 2615

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ggtcaccatc agctgtinctg gaaccacccg cganaatacg gccatggtn cgcgtcttgt 60
cgtgtctgtt caaacccggca cggctctgatc cggaaatatg gcctcaatat gtgccgccag 120
tgtttccgtc agtacgcgaa ggatatcggg ttcattaagt tggactanat gctcttcctt 180
cataggatta tccgggggcat ctactcaatg aaaaacccatg ataattcttt gtatataaaa 240
taaacatttg aaataancctt cnaattgtca aaaaaaaaaa atatgncctc tnn 293
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<210> 2616

<211> 338

<212> DNA

<213> Homo sapiens

<220>

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<222> (188)

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<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 2616

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gggcctcgga ggcgttcagc tgcttcaaga tgaagctgaa catctccttc ccagccactg 60
gctgccagaa actcattgaa gtggacgatg aacgcaaact tcgtactttc tatgagaagc 120
gtatggccac agaagttgct gctgacgctc tgggtgaaga atggaagggg tatgtgggtc 180
```

1990

gaatcagngg tgggaacgac aaacaaggnt tcccatgaa gcaggggtgc ttgacccatg 240
gccgtgtccg ctgctactga gtaaggggca ttctctgtta caagaccaat ggagaactgn 300
anaaagaatt gananaatca gttcgtggtt gcattgtn 338

<210> 2617

<211> 422

<212> DNA

<213> Homo sapiens

<220>

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<222> (138)

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<220>

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<222> (272)

<223> n equals a,t,g, or c

<220>

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<222> (303)

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<220>

<221> misc feature

<222> (325)

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<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

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<220>

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<222> (357)

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<222> (376)

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<220>

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1991

<222> (380)

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<220>

<221> misc feature

<222> (399)

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<220>

<221> misc feature

<222> (400)

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<220>

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<222> (421)

<223> n equals a,t,g, or c

<400> 2617

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cacagttgag ggacccacag catgatctag atcgagtaaa gaaacctgaa tgggttatcc 120
tgatagggtgt ttgcactnca tcttgggctg tgtaccatt ggcaaatgca gggaggattt 180
tgggtggttat tactgccctt gccatgggtc acacttatga tgcactctggg caggatccag 240
attgggtcct gctcctcttc aaccttgaag tnccccacgg tattgagttt caccagtgc 300
ggntattggg ggatttggtt ggttnaagag actttinggac ttcaagncca taagggnntt 360
tttttcagtc ctttanggtt caaccccgag ggggcttttn ttttggggga gggaggcctt 420
nt 422
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<210> 2618

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

1992

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (409)

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<220>

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<222> (412)

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<220>

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<222> (417)

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<220>

<221> misc feature

<222> (419)

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<220>

<221> misc feature

<222> (437)

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<220>

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<220>

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<220>

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<222> (444)

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<220>

<221> misc feature

<222> (457)

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1993

<220>
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<222> (461)
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<220>
<221> misc feature
<222> (474)
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<220>
<221> misc feature
<222> (486)
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<400> 2618
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tcatccagga cgaatgctgc gtttgattca tgagtgtcct catcaggaag ggaagagcat 120
ccatgaagct ccgggctcag ctctgcgagc cttagcgtca aggccatcaa ggaagcgatt 180
gattatctga ccgttgaggg ccacatctat cccactgtgg atcgggagca ttttaagtct 240
gctgattgag gcaggga aaa catcctttca tttttcgaag acccttgcat ccagctgtgg 300
agtaattttg nacctgtttg acttttttagg aagtaggatt aaaaaaaaaa ttttcaagtg 360
ggcattcttt tgtcaactcg ttgntttttt aaanggtttt gaacttttng gntttcngna 420
tttgaggtcc agggganncg gtnntgggta aatttgncaa nccttgggggt ttttctggca 480
gttatnggaa aat 493

<210> 2619
<211> 439
<212> DNA
<213> Homo sapiens

<220>
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<222> (150)
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<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

1994

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<400> 2619
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ctgccgccag gagctgtcac catgacgggg gaacttgagg ttaagaacat ggacatgaag 120
ccgggggtcaa ccctgaagat cacaggcagn atcgccgatg gcaactgatg ctttgtaatt 180
aatctgggcc aggggacaga caagctgaac ctgcatttca accctcgctt cagcgaatcc 240
accattgtct gcaactcatt ggacggcagc aactgggggc aagaacaacg ggaagatcac 300
ctgtgcttca gcccaagggtc agagggtcaag ttcacagtga ccttttgaga agtgacaaat 360
tcaaagggtga aacctgccaa aatgggcacg aactggnttt ttccaacaa ggcttgggggt 420
cacaanncna ccttaanct 439

<210> 2620
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (284)
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<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 2620
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cccgatattc gggcagcggg ggcagcacgc agaccctgac caaggggggag ctcaagggtgc 120
tgatggagaa ggagctacca ggcttcctgc agagtggaaa agacaaggat gccgtggata 180
aattgctcaa ggacctggac gccaatggag atgcccagggt ggacttcagt gagttcatcg 240
tgttcgtggc tgcaatcacg tctgcctgtc acaagtactt tganaaggca ggactcaaat 300
gatgccctgg agatgtcaca gattcctggg 330

<210> 2621
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

1995

<222> (12)
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<220>
<221> misc feature
<222> (51)
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<222> (79)
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<220>
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<222> (273)
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<220>
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<220>
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<222> (296)
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<220>
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<220>
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<222> (333)
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<220>
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<222> (346)

1996

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

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<222> (366)

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<222> (379)

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<220>

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<222> (384)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

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<220>

<221> misc feature

<222> (428)

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1997

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<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
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<222> (437)
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<220>
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<222> (441)
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<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<400> 2621
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cctgctttcg atgttaagnt tgtagatgta aatggcaatg ttctacctcc tggacaagaa 120
ggtgatattg gcattcaagt tctacccaac cgaccatttg gcctttttac tcattacgtg 180
gataatcctt caaaaacagc ttcaactcta cgaggcaatt ctatatcact ggggacagag 240
gatatatgga taaagatggg tatctctngt ttntttgcaa gngcagatgt tggcanatat 300
nccctgggtt tcgatttggc ccctttgggt ggnaaatccc ccattnnac cccttanttt 360
agagtnccct ttttcaaang ccnaccctt tcaagggggg nggtnaaagt tttnggnttt 420
aaaaccntt tcnangncca nttcagggcc ccttttaagg ggttcggggg cttttaaaaa 480
ctccgggect tnaatttccc cagggggg 508

<210> 2622
<211> 361
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

1998

<220>
<221> misc feature
<222> (115)
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<220>
<221> misc feature
<222> (200)
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<222> (206)
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<220>
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<220>
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<222> (255)
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<220>
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<220>
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<222> (289)
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<220>
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<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
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<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

1999

<220>

<221> misc feature

<222> (312)

<223> n equals a,t,g, or c

<400> 2622

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ggttaaattt naggttagcag agggaaaaca agnggaaatc caacataagg gacaggctga 60
gaaaaaagaa ttacaacata aaatagatga aatggaagaa aaagaacagg agctncaggc 120
aaaaatagaa gctttgcaag ctgataatga tttcaccaat gaaaggctaa cagctttaca 180
agagaagctg accgtcgaan ggcatntaac caaagcggta gaagaaacaa agctttcaaa 240
agaaaatcan acaanancaa aagaatctga tttttcagat actctgagnc caancaagga 300
aaataanaaaa nnaagggcggtg tcgctctata ggatccaagg cttacgtact cgtgcatgcg 360
a                                                                 361
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<210> 2623

<211> 407

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<220>

<221> misc feature

<222> (14)

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<220>

<221> misc feature

<222> (57)

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<220>

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<222> (65)

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<220>

<221> misc feature

<222> (80)

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<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2000

<222> (104)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (137)
 <223> n equals a,t,g, or c

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 <222> (236)
 <223> n equals a,t,g, or c

<220>
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 <222> (290)
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<220>
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 <222> (334)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (339)
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<220>
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 <222> (359)
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<220>
 <221> misc feature
 <222> (366)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (383)
 <223> n equals a,t,g, or c

<400> 2623
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 gcgtntttgga aatgaccccn cagcagggag acgtctacat ntgncaagtg gagcacacca 120
 gcctggacag tccgtgnacc gtggagtggg aggcacagtc tgattctgcc cggagtaaga 180
 cattgacggg agctggggggc ttcgtgctgg ggctcatcat ctgtggagtg ggcatnttca 240
 tgcacaggag gaacaagaaa gttcaacgag gatctgcata aacaggggtn ctgacctacc 300
 gaaaagacta atgtgcctta gaacaagcat ttgntgggnt ttggtaacac ctgggttcang 360
 acagancctt agcttttccc aanaggatac tggttgcaa aaagttt 407

2001

<210> 2624
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
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<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
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<222> (51)
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<220>
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<222> (53)
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<220>
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<222> (106)
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<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

2002

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<400> 2624
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gtttcaagcc cctgcaggaa gcagaatgca ctttttgagg cacctncagc tgcccccggc 120
cgggnaagtg cgaaggctcg gagcaccctt gcccggtgt gaattgctgc caggactgt 180
tgcactnca gcttttctgt gccctttgct cccggcaagc ggttctgctt gaaagtttca 240
tnatcttggg aggcctgnat ggtncctttaa cggaattaaa ggttcccccc attgcttcca 300
aan 303

<210> 2625
<211> 165
<212> DNA
<213> Homo sapiens

<400> 2625
ggcacagcca cccagggcct gagtcctgtc cacacccag gtgacggcgc gctccacaag 60
gcagtgagcg tgggcccccg ggtgcacatc attgaggagc tgcagatctt ctcacggga 120
cagcccgtgg cagaatctgc tcctgggaca cccacagggg ggctg 165

<210> 2626
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)

2003

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (382)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<400> 2626

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angtgcattc ggctcagtag taccgcgtccc ccgtgccccca gtacnccccg aggggtcctga 120
cgcaagcttc caaccccgtc gtctgcacgc aagccaaatc cccatccggg acagtgtgca 180
cctcaaagac taagaaagca ctgtgcatca ccttgacctg gggacttctt cctgggaact 240
gcgctggccg ctggcctact ctggaaattc atgggcagca aatgctccaa ctctgggata 300
gaatgcgaat cctcaagttc tgcataacc ctctactggg tggtatagcg tntcaactgc 360
ccnnggggga agaaaaaat cngtgttcct nttttcaaac ttctcc 406
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<210> 2627

<211> 334

<212> DNA

<213> Homo sapiens

<220>

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<222> (10)

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<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (69)

<223> n equals a,t,g, or c

2004

<220>
<221> misc feature
<222> (70)
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2005

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gccgcccagg cnggatacgg atggcatcca cctcctgagc agccngcnc tgnatgaatc 180
caagagtgc atgcagcaga agctgccctg agtcaactnnc acntccggnc tcngggaaga 240
gccgtgngca ccaaccttga aaacactggc gacaacgtct cctgaaggg gaaaccactc 300
cagaagggac ccangctacc caggggntgg ncna 334

<210> 2628
<211> 568
<212> DNA
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2006

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2007

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cctggtggca aatgggggcc ttgtcagcat ctgtaacaag tatggagaga tgcctgtgga 120
caaagccaag gcaccctga gagagcttct ccgagagcgg gcagagaaga tgggccagaa 180
tctcaaccgt attccataca aggacacatt ctggaagggg accaccgcga ctcggtcccg 240
tgagtcacca ctgtgggaag aagggttgta aaaggaaata atcctggcct cttggggctg 300
ggttaggggtg aagctgggta cctgacctgc cacactctta ngaaatggaa ccctgaacaa 360
acactctggc attgacttca aacaagctta acttntctgac gaagctnaac gaagaatact 420
cttggaang tgaccctgc cttnttgccc tcctnanta ccccataaa tacttgcttt 480
gtacctgttt taagttttct tcaattantg ggcaaggaag tgggnanaaca ttttaagcttc 540
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<210> 2629

<211> 335

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

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<220>

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<223> n equals a,t,g, or c

<220>

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2008

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gtncacagaga atgtgctgag tntcgatgac cttactgcag acgcnttagc taacctganc 120
aanccacaaa tcaaaaaagt ccgactcctc attgatgaag ccatacctgaa gtgtgacgcg 180
gagggantaa agttggaagc agagcggttt gagaacctcc gagagattgg gaaccttctg 240
cacccttctg taccatcag taacgatgag gtaggtggct gtgccgcagc aggaggctgc 300
cttaggtcgc tgctgtctct gcaggggcgg ggang 335

<210> 2630
<211> 117
<212> DNA
<213> Homo sapiens

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2009

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<220>
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<222> (87)
<223> n equals a,t,g, or c

<220>
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<222> (104)
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agttacagaa gcatcttcna acaggnntgc tgctattaaa atcnatacca aaagtga 117

<210> 2631
<211> 488
<212> DNA
<213> Homo sapiens

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2010

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agacaatcgc accacagaat gctccaagag atgagtgctag gggccggtcc tcgttttatc 120
ctgatggttg agatcaggaa actgcaaaga ctgggaagtt cttaaaaagg ttcacagatg 180
aagagtctag agtattcctg cttgataggg gtaataccag ggataaagag gcttcaaaag 240
agaaaggatc agagaaaggg agggcagagg gagaatggga agatcaggaa gctctagatt 300
acttcagtga taaagagtct ggaaaacaaa agtttaatga ttcagaaggg gatgacacag 360
aggagacaga ggattataga cagttcagga agtcaagtcc tcgcagatca gggtaaaagt 420
tttgctactg catctcaccg ggaatncctg aaggaggaan ggactcaagt accnngttcc 480
anaggttt 488

<210> 2632
<211> 103
<212> DNA
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<220>
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2011

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<400> 2632
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tggaatcagg anaagcaggc tgcttttctc ctaaaatcan cca 103

<210> 2633
<211> 686
<212> DNA
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2012

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 ccgcttctttg aatttctctc tgtaaaggag atatataatg aaaaggaatt attacaaggt 180
 aaattggacc ttcttagtga taccaacatg gtagactttg ctatggatgt atacaaaaac 240
 ctttattctg atgatattcc tcatgctttg agagagaaaa gaaccacagt ggttgacaaa 300
 ctgaaacaag cttcaggcag naaccagaac caattgtgaa gatgtttgaa gatccagaaa 360
 ctacaaggca aatgcagtc accagggatg gtaggatgct ctttgactac ctggcggaca 420
 agcatggttt taggcaggaa tatttagata cactctacag atatgcaaaa ttccagtacg 480
 aatgtgggaa ttactcagga gcaagcagaa tatctttatt ttttttagagt gctgggtcca 540
 gcaacagata gaaatgcttt aagtcactct ggggaagctg gcctctgaaa tcttaatgca 600
 gaattgggga tgnancatgg aagaccttac acggttaaaa gagancatag ntaataattc 660
 tgngggtctc catttagctc ttagca 686

<210> 2634
 <211> 354
 <212> DNA
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<220>
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2013

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<222> (343)

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<400> 2634

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tcgggggcca gatggggctg ttcatcgggg ccagcatcct cacgggtgctg gagctctttg 120
actacgccta cgaggtcatt aagcacaagc tgtgccgacg aggaaaatgc cagaaggagg 180
ccaaaaggag cagtgcggac aagggcgtgg ccctcacctg gacgacgtca aaagacacaa 240
cccgttgcca gaaccttcgg ggccaccctg ccgggatgac atacgcttgg caacattcta 300
ccttanccat tcggggccgaa ggacttcnaa gacntttact tgnttgance cccg      354
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<210> 2635

<211> 620

<212> DNA

<213> Homo sapiens

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2014

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2015

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<220>
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2016

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<222> (613)

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<400> 2635

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anaatagaga tcangttgaa ttttgtatga atntcctatt tatnaacact tttattaata 120
ctacaatggg gctgctgtga ttgancacga gcgagttcag aagacctttc ctcacccaat 180
tgataaatgg gccatngctg atgcacaatc tgctatagaa aaacaaaaac gaagaaatcc 240
tcttttactg cctgtggacn aaatccatcc ttcgtnnaan gaattattag ggtacaaaat 300
gagactacca tgtatcccta tatnttgtgg ntgtactaca ntatatctca gcctgatatt 360
ttaaaatngg ctggtcntct tgtttttaat atccggcatt ntgaaatatt tcanacanga 420
ctttaaattg tctattttgt tgcggatcan gttaatgtta caaggatttt naattttact 480
tgaatagcac natctaattt ctgcctcaat ctttatgttt taattattaa atanattatc 540
tnttatgatt tgctncttac tggaaacaaa aaaaaaatcc tggctttact tcattaacca 600
tgaatatttc ccngtttttn                                     620
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<211> 153

<212> DNA

<213> Homo sapiens

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<220>

2017

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<220>
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gacatcctct ggatcctctg ttgggttnct ttgctgctgt ngctggacag gatgggccta 120
ttgatgctga tgaatttctn anatgtcnga cct 153

<210> 2637
<211> 377
<212> DNA
<213> Homo sapiens

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2018

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<220>
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 cgatgctgcc tctgctgcgc tgcgtgcccc gtgtgctggg ctctctccgtc gccggcctcc 120
 gcgctgccgc gccgcctcg cctttccggc agctcctgca gccggcaccc cggctgtgca 180
 cccggccctt cgggctgctc agcgtgcgcg caggttccga gcggngggccg ggcctccngc 240
 ggnctcgcgg accctgcgcc ngtggctgtg gctgcggctc gctgnacacc ganggagaca 300
 aagcttttgt tgattacctg agtgatgaaa ttaangagga aagaaaaatt nagaagcata 360
 aaacccttcc naagatg 377

<210> 2638
 <211> 479
 <212> DNA
 <213> Homo sapiens

2019

<220>
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<220>
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<222> (344)
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<220>
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<222> (413)
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<220>
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<220>
<221> misc feature
<222> (441)
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<220>
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<222> (474)
<223> n equals a,t,g, or c

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agctgattat tcagaaattt tagatttagt ggaaaggaaa aaagatatat ttaatcctaa 120
aaaaggaact tatcaagaaa aacttgggag aatattagtt ttggctgatt ctgctcactc 180
atttggtagt agctacaaag gaaagaaaat aggaagtgtg gcagatgtaa cttcattttc 240
atttcatgca ataaaaaatt taacaacagc agaaggtgga gctttaacat ggaatcttcc 300
taataatttt gataatgagc aaatttataa agagttgatg ttgntagctt tacatggcaa 360
aataaggatg cactagcaaa gctaaaagca ggtgcttgga aatatgatat tgnatgcca 420
ggatacaaat gnnatatgac ngatattatg gcggctattg ggттаатсса сttnaagat 479

<210> 2639
<211> 410
<212> DNA
<213> Homo sapiens

2020

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<220>
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gatctggaga cactaataat tttccttatac tggaaaagac agccaaaaaa gtgtaccagc 120
gcatacccgcc tccagcctga ggacgtcaac ctgcgggtca tctcggaata tcagaagctc 180
tttcttgaca ttcccatagg gtattctggg catgaaacag gcatagcgat atctgtggcc 240
gcagtggctc tggggggccaa ggtggttgaa cgtcacataa ctttggncaa gacctggaan 300
gggagtgacc actcggactc gctggagcct ggagaactgg gcgaagctgg tgcggtcagt 360
gcgtcttgtn ggancgtgcc ctgggctccc caagcaaagc anctnacngc 410

<210> 2640
<211> 164
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

2021

<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
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<222> (154)
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<220>
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<222> (159)
<223> n equals a,t,g, or c

<220>
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<222> (162)
<223> n equals a,t,g, or c

<400> 2640
ggcagcctgc agtctgaaga ttttgcagtt tattactgtc agcagtatag tctctggtac 60
acttttggcc aggggaccaa cctggagatc aaacgaactg tggctgcacc atctgtcttc 120
atcttcccgc catctgataa aacaattnaa atnntgaant tnct 164

<210> 2641
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
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<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)

2022

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<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (425)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<400> 2641

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ggtcgcggcg gggaccatgt tgcttccgaa catcctgctc accggtacac caggggttgg 60
aaaaaccaca ctaggcaaag aacttgctgc aaaatcagga ctgaaataca ttaatgtggg 120
tgatttagct cgagaagtct gatcatcgga tatcatggag tctggcaaga cggcttctcc 180
caagagcatg ccgaaagatg cacagatnat ggcacaaatc ctgaaggata tggggattac 240
agaatatgag ccaagagtta taaatcagat nttggagttt gccttccgat atgtgaccac 300
aattctngat gatgcaaaaa ttattcnag ccatgctaaa aaaacttctg ttgatgcana 360
ttatgtgcga tggcatccan tgccgcctga tcatctttta ctctcncccc caaaaatttt 420
tttanatttg caggcaaaat caanccttgc                                     450
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<210> 2642

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (173)

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<220>

<221> misc feature

<222> (185)

<223> n equals a,t,g, or c

2023

<220>
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<222> (189)
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<220>
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<222> (227)
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<220>
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<222> (240)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (251)
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<220>
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<222> (253)
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<220>
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<222> (267)
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<220>
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<222> (272)
<223> n equals a,t,g, or c

<220>
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<222> (281)
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<220>
<221> misc feature
<222> (305)
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2024

<220>
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<222> (317)
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<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
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<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
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<220>
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<222> (346)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (364)
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<220>
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<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>

2025

<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
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<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
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<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<400> 2642
ggatgatgtct cacagaaagt tctccgctcc cagacatggg tccctcggct tectgcctcg 60
gaagcgcagc agcaggcatc gtgggaaggt gaagagcttc cctaaggatg acccatccaa 120
gccgggtccac ctacagcct tcttgggata caaggctggc atgactcaca tcntgcggga 180
attcnacang gccggatcca aggtgaacaa aagagtgtt tgaagcnttt tacatttttn 240
aaaaaccng ngnttttttg cttttgncct tnaaaacccc naggcccgaa ccttcaaaat 300
ttttntttta ccccttnnaa tcanaaggnt ttttttnaaa tggttntttt aaaaaagctt 360
ccnttttcca aatggggaga agangggnaa cccggaagaa tccccccaaa atttcttttc 420
cttttttccc ccaaaccctt cnttccaaaa aacctttnaa catttaaagc tttcnaaana 480
aggcccaaan aanattctta catttttggg aaaaaaatcc gttaaggag gaagtccctt 540
ttgccaaaac 550

<210> 2643
<211> 355
<212> DNA
<213> Homo sapiens

<220>
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<222> (17)
<223> n equals a,t,g, or c

2026

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<400> 2643
cttcttttaca gcggccnact ntgaactgnc nacttcggac tatagtgaaa gctggtacnc 60
ctgcaggtac cgggtccggaa ttcccgggtc gacccacgcg tccgtggaca gctgatgaag 120
gggtcttcga caattttgtt ctcaaaatca gagataccaa aaagcagtct gagccactgg 180
aaataaccct acttgcccc gaacgtacca gggacataac aggtctcaga gaggctactg 240
aatacgaaat tgaactctat ggaataagca aaggaaggcg atcccagaca gtctgttctc 300

2027

tcctgtttat ttacagtatc tgttggtgnt atagnactna ctgnttttnt atttt 355

<210> 2644

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (159)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (190)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (199)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

2028

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<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
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<222> (298)
<223> n equals a,t,g, or c

<220>
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<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

2029

<400> 2644

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atagntntct ggactcntta taggganagc tggtagcgct gcaggtaccg gtccggaatt 60
cccggttcga nccacgcgtc cgcggacgcg tggggccagc ctggggccggc accctggggc 120
tcaccaaggc aacctggcct tcggtcttca tagcaatgna atagccagcc ctggaagccc 180
cagcctgggn cgtcacctng gagggactgg atctgnnggtt cccggcagnc cctgcttgga 240
ccggcatgtg gcctatggag gctatnctac ccnggaggat cggagaccca cactgtcnng 300
gaagagcant gcctatggct accaggctcc ttcnacgcca tccttgccctg tctnccctgc 360
ctactaccct ggactgagna gccctgacac ctacnag 397

```

<210> 2645

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (199)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (204)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<400> 2645

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ggtggaggcc acatgcgcct gcctgcttgc tcaggagaaa gagggccgaga aagaacactg 60
ctccaagtgc ctggcagagc agatgatcct ggaggaattt ggaagggtgct tatcacagat 120
tctccacact gagtttaaat ctaagggtatt gaaaatggag tagagtataa agtgtgaatg 180
catgttgatt ttgtcttant ctanaaatct ctantttaga aaggatgttt angggaacat 240
gangctggct 250

```

<210> 2646

<211> 361

<212> DNA

<213> Homo sapiens

2030

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<400> 2646

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atcgtgactg ttggtggaga agagagagtt tcacggaaac ccacagcagc gatgcgatgc 60
atgtgccctc tctatgacct taacaggcag ctttggntcg aactggcccc ttttaagcatg 120
ccgagaatta accatggagt tctctcagca gaaggatttt tgtttgtatt cggggggccaa 180
gatgaaaata agcagactct tagctcagga gaaaagtatg atccagatgc aaatacatgg 240
acagcattgc cacctatgaa cgaggcaaga cataacttcg gaattgtgga gatagatggg 300
atgctgtaca ttttgggagg agaggatggt gaaaaggagc tgatttccat ggagtgttac 360
g 361
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<210> 2647

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2031

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (241)

<223> n equals a,t,g, or c

<400> 2647

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gcaagcnncg ccnccannca tcactaaaag ggancaaaaag cnttgagctc caccgnggtg 60
cggcccgctc tagaactagt ggatcccccg ggctgcagga attcggcacg agggatatcg 120
acgtcgtgat ccagaagtcc agagctgagg actgcctggt tgcagccaag ttctatagaa 180
attttagagt attcatcaga tagtgaaaaa gaagatgatt tggaaaatgt cctactcatt 240
nattcagaac cccctcacia                                     260
```

<210> 2648

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (388)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (409)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<400> 2648

2032

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ctaggccgctc gcttttcgggt tctctcatcg cttcgtcggt cgccaatggt tgaggagaag 120
gccagcagtc cttcagggaa gatgggagggc gaggagaagc cgattggtgc tggatgaagag 180
aagcaaaagg aaggaggcaa aaagaagaac aaagaaggat ctggagatgg aggtcgagct 240
gagttgaatc cttggcctga atatatattac acacgtcttg agatgtataa tataactaaaa 300
gcagaacatg attccattct ggcagaaaaa aaaaaaaaaa gggcggncgc tctagaggat 360
ccaaagctta cgtacgcgtn catgcgangt cataagtttt tctattagn ncacctaaaa 420
t 421
```

<210> 2649

<211> 788

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (566)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (587)

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<220>

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<222> (669)

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<220>

<221> misc feature

<222> (678)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2033

<222> (681)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (706)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (740)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (750)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (783)

<223> n equals a,t,g, or c

<400> 2649

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attaanggaa atcncggtac gcctttaggt accgggtcng aattccccggg tcgacccacg 60
cgtcccgatt ccctcccgaa cagttaaccg gaagagtaca gacagcccg tagagtgtat 120
gggccaggag aaaggggaat tcagagaaat attctacatc attggagctg tggatattgt 180
gggtcatcatc cttgtcatca tcctggctat atctctacac aagtgtagaa aggcaggagt 240
ggggcagagc tggaaggaga actccccact gaatgtttca taaaggaagc actgttggag 300
ctactgcaaa tgctatattg cactgtgacc gagaactttt aagaggatag aatacatgga 360
aacgcaaattg agtatttcgg agcatgaaga ccctggagtt caaaaaactc ttgatattgac 420
ctgttattac cattagcatt ctggttttga catcagcatt agtcactttg aaatgtaaca 480
aatggtacta caaccaattc caaggtttaa tttttaacac catggcacct tttgcacata 540
acatgcttta agattatata ttccgnactc aaggaggtaa ccaggtngtc caagcaaaaa 600
ccaatgggaa aatggcttaa aaaatctggg tgggactttt gaaaagcttt tttttttttt 660
ttttttgana cgggagcntg nttttgttgg ccaagctgga aggcantaag caccgatctt 720
gggttaattg gaccttcggn ttttgggttn aagcaaattg ctggcctaaa ccttccgagt 780
agntggga

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<210> 2650

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2034

<222> (150)
<223> n equals a,t,g, or c

<220>
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<222> (237)
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<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
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<220>
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<222> (289)
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<220>
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<222> (313)
<223> n equals a,t,g, or c

<220>
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<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<400> 2650
ggtganaagc gaatatccct ctataaaact ggtggtggag tggcaacttc aggatgacaa 60
aaaccaaagt ctcttctgct gggaaatccc agtacagatc gtttctcatc tctaagtgcc 120
tcattgagtt cgggtgcatct ggccaatgan tctgctgaga ctcttgacag cacctccagc 180
tctgctgctt caacaacagt gacttgcctt ccaatggtat ccagtgattc gttgaanagg 240
agggtgctctg tagcagaaac tgagctncgg gtggctgntt ctcaatggnt gctcatgtct 300
cttttctgct tangtggttc attaaatgca ccacttggtg gcaatgttaa tnttttttta 360
acacnttact tgggggnt 378

2035

<210> 2651
<211> 241
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<400> 2651
gcctcaagca gcgggcggtcc cttagtgaca gtgtctacac ccctccacca agtgtcccc 60
acgggccttg agcccagcca cagcctgctg agtacagaag ccaagctggt ctcagcagct 120
ggggggcccc tccccctgtc agcaccctga cagcactgca cagnttgagg canacatccc 180
caggcctcaa ccagcagccc cagaacctna tcatggcctn acttnctggg gtcatgacca 240
t 241

<210> 2652
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<400> 2652
gacctgtcaa aacatatcaa gaccaccag aataagaagg gagggccagg tgtagctctg 60
agtgtgggca ctttgccctt ggacagtggg gcaggttcag aaggcagtgg cactgccact 120

2036

```
ccttcagccc ttattaccac caatatggta gccatggagg ccattctgtcc agaggggcatt 180
gcccgtcttg ccaacagtgg catcaacgtc atgcaggtgg cagatctgca gtccattaat 240
atcagtggca atggcttctg agatcaggca cccggggcca gagacatatg ggccataccc 300
cttaaccccg ggatgcaagg tagcatgggt ccaagagaca tggaagagag agcccntgag 360
attaaaatgc atggtgt                                     377
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<210> 2653

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

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<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

2037

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>

2038

<221> misc feature

<222> (495)

<223> n equals a,t,g, or c

<400> 2653

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aattcggcan agcaggggtca ctgtcaagct tgaggaggca ggtacaaaac atattatatt 60
aatcacagaa aatgagatcc tggcacacag ggtcagattg aggggtgggc acctgtagtt 120
ctgcacgatg ttccgagaaa gcttccagct gtnncccccg acagcagcag atttngagga 180
tcagtaacag tgaaaaagtg ccggggtctg ccaggnaaag tactttgggc ccagcgaggt 240
tcctgggatg ttgatgtcta aaggcaattt caccatttt ntgcaggaca gagattaagg 300
gttcagagcg ggagtccaag ggttccaagg ggttccagtt agggggaant tttgggtggcc 360
cctgccctgg gcccttgagg tttttcntca ttcctttnaa gagntcaagg tgnttagatn 420
taggggaaag aaagagngtt cagattntta ctgggtctat nttgggaagg aaggccntag 480
gggattccnt ttttna                                     496
```

<210> 2654

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (373)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<220>

2039

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<400> 2654

```
aattcggcan agcctaaata caacagggac actctggaca atgacatcat gctgatcaaa 60
ctctcctcac ctgccgtcat caatgcccgc gtgtccacca tctctctgcc caccgcccct 120
ccagctgctg gncactgagt gctgcatact cgggctgggg caacactctg agctttgggtg 180
ctgactaccc agacgagctg aagtgcctgg atgctccggg gctgacccag gctgagtgtg 240
aagcctccta ccctgggaaa gattaccaac agcatgttct gtgtggggct tccttgaggg 300
gaggcaagga ttccttgcca gctgactttt ggtggccctg tggctctgcaa ggacagttcc 360
aaggggttgt ctncctggggc caggggtgtgc tgggaagaac aggctggagt ttncaccagg 420
tttacaattt gtggattggn ttagggcaac ntggttgcaa cattaagccc ggtnccttng 480
atttttacca taanggct                                     498
```

<210> 2655

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (212)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (235)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

2040

<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<400> 2655
gaacgcttct gtgagacttg ataatagctc ctctggtgca agtgtggtag ctattgacaa 60
caaaatcgag caagctatgg atctagttaa aagccatttg atgtatgcgg tcagagaaga 120
agtggagggtc ctcaaagagc aaatcaaaga actaatagag aaaaattccc agctggagca 180
ggagaacaat ctgntgaaga cactggccag tntgagcag cttgcccagt ttcangccca 240
gctgcagact ggctcccccc ctgccaccac ccagtcacag ggcaccacac agnccccccgc 300
cagccagtat nntagggctc angaccaacc gcatan 336

<210> 2656
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

2041

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (594)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (598)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (611)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (612)
<223> n equals a,t,g, or c

<400> 2656
ggagaataca gactatgtga acgcatacctt tattgatggc taccggcaga aggactccta 60
tatcgccagc cagggccctc ttctccacac aattgaggac ttctggcgaa tgatctggga 120
gtggaaatcc tgctctatcg tgatgctaac agaactggag gagagaggcc aggagaagtg 180
tgcccagtac tggccatctg atggactggg gtcctatgga gatattacag tggaactgaa 240
gaaggaggag gaatgtgaga gctacaccgt ccgagacctc ctgggcacca acaccaggga 300
gaataagagc cggcagatcc ggcagttcca cttccatggc tggcctgaag tgggcatccc 360
cagtgcgga aagggcatga tcagcatcat cgccgccgtg cagaagcagc agcagcagtc 420
aggggaaccac cccatcaccc gtgcactgca gcgcccgggg caggaaggac ngggaccttc 480
tgtgccctga gcaccgtctg gancctgtg aaancanagg ggattttgga tgtcttcag 540
actgtcagag cctgcggcctt tcagagggca cacatggtcc agacactgga acantttnag 600
ttntggttcc nnggtggtgc ag 622

<210> 2657
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

2042

<222> (463)

<223> n equals a,t,g, or c

<400> 2657

```

gctcgcgcggg gctgcgggccg cccgaggctg ccctgaggat ctgtgttttg tgaaaaggag 60
ccaaattcac ctgcagggca ggcggctcta gcagcttcag aagcctggtg ccctggcgac 120
actggacctg ccttggett cttgatecca accccacccc cgatttctgc tctgctgact 180
ggggaagtca tcgtgccacc cagaacctga gtgcgggcct ctcagagctc cttcatcggg 240
actttgaaca tgctggggat cgccctcagc agactcgccc aggagaggaa agcatggagg 300
aaagaccacc catttggttt cgtggctgtc ccaacaaaaa atcccgatgg cacgatgaac 360
ctcatgaact gggagtgcgc cattccggga aagaaaggga ctccgtggga aggaggcttg 420
tttaaaactac ggatgctttt caaagatgat tatccatctt cgnacacaaa atgtaaattc 480
gaaccaccat tatttca 497

```

<210> 2658

<211> 584

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<400> 2658

```

tgacaccaac cctcactaaa gggaacaaaa gctggagctc caccgcggtg cagnccgctc 60
tagaactagt ggatcccccg ggctgcagga attcggcacg agggcagatc acctttcctt 120
tgtctccagc tcttaacatt gaagtggaa aaaatgggaa accgtccctg gttgatttga 180
atgaagaaat gcagcacatg gatgtagagg aatcacagtg tcttagatta tgtccatttt 240
tggaggatca taaagaagac attctatgtg ggccagtatg gcttgctagt ggccttgatc 300
tatcagggca tgctggaatg ttgacgttaa caagcccaa acttggttaa ggtatggcag 360
gaggaaaata tcgttcgttt ttaatccatg tcaaggcagt gaatgaaaga ggaacagaag 420
agatttgtaa tgggtggtatg cgtcctgtag taaggcttcc atccctaaaa caccagagta 480
acaagggtta ttcacttgct tcacttttgg ctaaagttgc agcaggcaag gaaaaatcat 540
ctaattgttaa gaatgaaat acaagtggca cccgtaaatc tgaa 584

```

<210> 2659

<211> 358

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (354)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

2043

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<400> 2659
gctgatattt gccggcaaac agctggagga tggccgcact ctctcagact acaacatcca 60
gaaagagtcc accctgcacc tgggtgttgcg cctgcgaggt ggcattattg agcctttctct 120
ccgccagctt gcccgaaaat acaactgcga caagatgatc tgccgcaagt gctatgctcg 180
ccttcaccct cgtgctgtca actgccgcaa gaagaagtgt ggtcacacca acaacctgcg 240
tcccaagaag aaggtcaaat aaggttgttc tttccttgaa gggcagcctc ctgcccaggc 300
cccgtggccc tggagcctca ataaagtgtc cctttcattg actggaaaaa aaannnnn 358

<210> 2660
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (617)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (620)

2044

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (638)

<223> n equals a,t,g, or c

<400> 2660

```
gcatttatng acaagagaaa gcacaaagca tggagaccct ccctccaggg aaagtacggt 60
ggccagactt taaccaggaa gcttatgttg gagggacgat ggtccgctcc gggcaggacc 120
cttacgcccg caacaagttc aaccagggtg agagtgataa gcttcgaatg gacagagcca 180
tccctgacac ccggcatgac cagtgtcagc ggaagcagtg gcgggtggat ctgccggcca 240
ccagcgtggt gatcacgttt cacaatgaag ccaggtcggc cctactcagg accgtgggtca 300
gcgtgcttaa gaaaagcccc ccccatctca taaaagaaat catcttggtg gatgactaca 360
gcaatgatcc tgaggacggg gctctcttgg ggaaaattga gaaagtgcga gttcttagaa 420
atgatcgacg agaaggcctc atgcgctcac gggttcgggg ggccgatgct gcccaagcca 480
aggctctgac cttcctggac agtcactgcg agtgaatga gcactggctg gagccccctc 540
tggaaagggt ggcgaggac aggactcggg ttgggtcacc catcattna tgtcattaat 600
attggacca ctttcantnn tgtgggggca tctggctnga cttt 644
```

<210> 2661

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (207)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (253)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (268)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<400> 2661

2045

```

ttgttttatt gccatcctgt ttggaagcag cacaatatca ctttcagaag aagcctctag 60
gagatgttct gtacttttnt ccactctcag ttctcagtct tgtaagcagt tacgagtgtg 120
cctttctcct ctaagtaaag aagccataga tgactccccg agacttttag caaaactctt 180
ggccttaaaa ctatgctacc atatatnctt agaagtcaaa ggatgcaaca cagagaatac 240
atTTTTtctat gangattaat acaagtgnat attagtggat ataaccatta attgtttgga 300
ctcagcctta tcttacaaat gcaagggtcat ttatctagat cagtacttaa aaacataaaa 360
ttttactcta ataaaatgca atataaaagt nggtttaatt ttgatatgtg ctttatagga 420
gtgaagctga aaatattta                                     439

```

<210> 2662

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (207)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (258)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<400> 2662

```

tgacaaaaag cctatacgat atgcaagant tgtatttntt caatatcaac catcacattt 60
agaaaacctt cagaaagcat atgtacatag tatcttatgt gtaagtgaat gagaatttta 120
tgaataaact ttttaaggga attaagacan tacaatcgct tgtatctgaa ataaagcaga 180
gacaaaggca aagattatag ctatggntga ggtgaactga gtatcaatac attctaagga 240
taacatagag ttaatganat tnattaaatg atcaatacca gtataataaa tatcctggca 300

```

2046

<210> 2663
 <211> 455
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (11)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (350)
 <223> n equals a,t,g, or c

<400> 2663
 ctttaattgt nctcactcac ttccaagttt gaataagact tttattgagg tatttacaaa 60
 tccatatctg catcccttct ttctatgttt ctaattgtca ctttcaccta tacatgctga 120
 ctcctagaaa atagtttggt aaatagcaag gcatgagcaa ttattaataa tccccaaatt 180
 caaattttta aattcatatt tttaatgaca tgagcatttc ccatgtcacc tatattactt 240
 tttaaattac tccttttccc tggtttgcct tattccacat ccacctaagt ccatctgtct 300
 ttcacatgct atcatattta tctttatgag tacagctttc attgaatttn actaaaccta 360
 gaaattgcaa gacacttgag aaacttctag taacctaata tgtaatcaca tgttaggtaa 420
 tcaacttttt gcaggttatt ttcaattact ctcca 455

<210> 2664
 <211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (64)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (249)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (288)
 <223> n equals a,t,g, or c

<400> 2664
 taaaaactaa gtttccaagg cagtatgctg tggtccttga aaagtccttt agaagaattt 60
 tctngaataa atttagagaa aacctaaagt tttcctaggg gatgcttacc aactcctcgc 120
 ccctcccccg cccgccctct ttatttttaa ttgtgactca ggggttaaata caaactacta 180
 gcagctgttg gtggaaaaga gcccaatccc aaactctggg gttttccttt gttcccaagg 240
 gaggccttng gaggaatgaa tgatcctaaa ggtaatgagc agacctgnng gaatcctcca 300

2047

agtgccacct ctgactaata ttgggctggt gccaggaaaa cccaactttg ggattttcaag 360
ctattacttt ccgtgcaacc cctggtgctt gactattcaa ggggacagct ct 412

<210> 2665

<211> 366

<212> DNA

<213> Homo sapiens

<400> 2665

agcaggggtcg gcagtgaaga gcagagaaaag gcagttgggg atgttgccac tgtcccccca 60
gaccaccctg ccatggagac gaggagagctg tcccttcgcg gaaggggggt ggccagcaag 120
aaggacagag agtggactgg ccgaggaccg ctgagctcag gacccaagga ggactcttct 180
aggagacgag agagcgaacg ccagggaccc tgtgcaggcc tgctcctccg ttgcaagca 240
ggctccctcc ccgaggccgt tcagaagcat tcctcagcgg gtccctacacg tttcctctcc 300
catgtcaagt ttagaagcag tgtcaagacc cacagcagtc ctgcaggagt ttttaaggga 360
gcacgg 366

<210> 2666

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<400> 2666

gaattttaat agtaaaatct tataagtgga tgaggagagt aattaatata tagaacatta 60
ccaattataa atacatattt aagtataatt tagtgttttc tggaaagaaa tcaaatgtgt 120
ttctgtgggc attcacattt tcttttttgt gaattttcca agctttctac aatagccata 180
cattctgcaa tatttatagt ctataactta ttatctctag ttgacaaaca tggttctttg 240
tttcttaaat tataaatgtc ttttaacctaa aaaaattaaa tagtcattca gcttacaggt 300
ctgcttaaaa aacagaacat ttttttagctt nttttgaacc aattttttta atgttcctgt 360
gcaattagta ctttttactt taaacatatg cacttaaagc atccattcac atttttaggca 420
ctcatttcag tattttcttt ctgcttacat tag 453

<210> 2667

<211> 479

<212> DNA

<213> Homo sapiens

<400> 2667

gagagaatag tgggtaggag ttaaccagga aagcaaggat gaaagcgtgt tgcgtttaga 60
taaaggatag gcttcaaggt cagggaacgt tgctgggtgg tgagatggaa ccctgatgtg 120
gaggctcagc aggaagaagc aggaaggaca ctgggcccc ggtggtttta gttccagaaa 180
caaatgtggg cccagggct ctgcaatggg aaggctggaa ctactcaaca taagagctcc 240
acctttaact gtgcccccta agagtacctg atgatcccc tatctccttg tcaatgttgc 300
tgttcttctc cagaatctat ttcaacctt ctctgatttc aaaccaccag tccctttacc 360
tctcagagaa aacagcaacc acaaaagcct ctccacttcc tactatctta atattgacaa 420
cttcagatc agggagctga gatatctcaa gtcagggtt ctcttctgag cttcagacg 479

2048

<210> 2668

<211> 450

<212> DNA

<213> Homo sapiens

<400> 2668

```
ccgcataccta gccgccgact cacacaaggc aggtgggtga ggaaatccag gtaaggctcc 60
tgacagcagc tttagaaggg tacttgctgg agtgaattcg ggctctgat tgctatataa 120
agttgtaggc aatcaagcaa cagagaactg caagtttcca aaggcaatga agtaggatac 180
ggaagggaaa tcatggaatt tccacaaaag tcttactggg gcctttcttt ggctagagct 240
ggcacagtgt gacgttcccc agttagttca gagaaatgct ttctcttttg cgaaacaaaa 300
tttccaagag taggtgaatc ctaggatttt tcaagcctgg gacagggtcc agggattttc 360
gtctcagtca ccatctaaag ctttctttcc cacgggctaa agcaaagccc cataggcttc 420
tccactatga cacctcagct cggattgccc 450
```

<210> 2669

<211> 507

<212> DNA

<213> Homo sapiens

<400> 2669

```
cgctccccc tccctgctct gctctgaggt gccagccaga gccgctcagg gtccctccgtc 60
cggtttcccc tgggcctaac agcagggccc tggggccacc acccgcaact ccctgcctcc 120
atctcagaaa ctgaagcctg ggagccccct gggccacctg agtctgggag acgcaagcca 180
atccccggga cagggccccg ccccttcccta gtgaggggca cgctctgggc aatcgtgggg 240
cagagaaatt tgctttttta cataaaacgt atcctttgtc cctagaatgg caggctacct 300
ccctgcctta ttctgtgaag atgtagttcc tttattagca gagcttactt tgaaggtaga 360
ataacaataa atatataagc agttggagag taaaatcact acagtattca agtctaaata 420
tattacaaat gccaaagttt attggaaaat tatatataaa attcttatat acatttttagt 480
aagcctccat cttagtatct aaaactt 507
```

<210> 2670

<211> 404

<212> DNA

<213> Homo sapiens

<400> 2670

```
tacaggcatg aaccaccatg cccaacctca tttacaattt ttaaaaaaaaa tcttaagatc 60
tgtatttttt atagttttata aaagtttttt tgtgatcaca aaaatacatg cttttggtag 120
aaacacaaac atacaaagat gttctataaa actgactttt tatcgtacat ttttaagatat 180
ttaaaaaatat tttctgtaat ttcatgaaga gtactaaagc cacagtcact gacattgtaa 240
acacctctgt tcattctcta acctgttagg tgggttaagct atttttaatt ctaggggggt 300
caggctgaac ttgaggttgg ggaggagaat ttgcctctgc ttttagttgc aattttcaag 360
tgaggtgaaa ttaagtaaaa tttgtaagag cttttttggc tttt 404
```

<210> 2671

<211> 414

<212> DNA

<213> Homo sapiens

2049

<400> 2671

```
gaaactcctt gttggctcaa ctgctcttca cagatgcata attttggagt ccatacacca 60
ccctggtcac tctctttaga atacactcca gttttgtaca tttattctat tttcaactgt 120
atgttaatth taaagtacag catgcaacat gaaaattaac atgcacacaa tgagaggagc 180
tgtgttaggc gaaggagctt attgatgatt actttgcttt ttcaaaaatt gtgtttaatg 240
ttggcatata ccccatcttc catagaaata aagtaggggtg ttcaggatct aatttcaaat 300
gtagactagt aatctcaaag tgtaatggga caattatatc ccttgttcag gagacaaaat 360
tgctcccaaa ccttcttttg ttctgttttt tcatggcata ttttaagctt aaaa 414
```

<210> 2672

<211> 445

<212> DNA

<213> Homo sapiens

<400> 2672

```
cacgcaagca tggtaggact tgctgggtgg ggccgagtaa catccagctt aatctttccc 60
ccccttcgtc gcccggtgcta tgccgggatg ggtccaggct cctgtgtgga ctcgatatat 120
cagagcaacc caatcttgcc gggatcaacc ctaaaggagc cgggctacgg ggccaggaat 180
tgaagtgatg ggttcaaaga ggtagagtta gccgggggtg gagttaatga ggtctcttcc 240
ctctttgggg ctcgacggag ggaggaagct ctgcttgaag cacatggggc tggcccaccc 300
tgtagtcaga ggtagcaagt aatgaggagt cctcctggag tgccctcagct ttagctgggt 360
aaggtagggc gttgtgccat tgggtgcaaa taacattgca cgttctgaac tgtttcttta 420
ctaggttaac gtccctaaaa cccgc 445
```

<210> 2673

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (119)

<223> n equals a,t,g, or c

<400> 2673

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gcagactagg atggctgtat cactaacagc agctgaaact ctggcccttc agggtagaca 60
gggacaagag aagatgatga tgatgggacc aaaggaagag gaacagtctt gtcccaggnc 120
ctgcacatgg acctgcacag gaagagccat gggagaagaa ggaatctctg ggagcagccc 180
aggaagcact gagcatccag ctccagccta aggagacca gcctttccca aagagtgaac 240
aggtatatth acattttctg tcagttgtta cagaagatgg ccagagccc aaggacaaag 300
gatcattgcc acaaccaccc attactgaag tggaatcaca ggtgttctca gaaaaacttg 360
ctactg 366
```

<210> 2674

<211> 233

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

2050

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<400> 2674

acnccctcat aagggaacaa agntngngtt ccacnggtga gnccgtnnttg nactatggat 60
ccccnggctg cagattcggc agagcagaga cagagggagc cagccgggcc ccaggtgtcc 120
tcggacgcct ccgaaatctc ctgcgtgttt gtttcttcgg agcttcaccg gagcctgact 180
ctggaaccgg cctgtctgcc tgctgcagtc ttatgcattc ttagaaacca gat 233

<210> 2675

<211> 547

<212> DNA

2051

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<400> 2675

```

gatngtatnc aacccacact aaaggnaaca tangctggag ctccaccgcg gtgcgnccgc 60
tctagaacta gtggatcccc cgggctgcag gaattcggca cgagcttttc cattaaaaag 120
aaggaggaaa agagaaggag agcaagagaa aaaaaaatta cttatatatgt ctgtcttctt 180
atataagaaa gtgacaccat acaaagaaac aactattcag gctggtgcta gaggggtggg 240
gagccgagga atccctgggg agcagtcaca gggaattcca tccaaaagtc caacatgcag 300
tgaatatccc acaaattgta gtggtgcctc tgcagaggtg gcaatgttga acgcctcgag 360
tattcccgga tgattttgat taatttcctc attccttttc tcctgagtcc agatatcccc 420
agcatagatt gcttcccaca tagtatctcc aattttaagt aatatatagt ctaatatctg 480
tttctttatt ggctaagtgt ctttctctgc gtctcctcta tatcatcaat agtcctctgt 540
catcttt                                     547

```

<210> 2676

<211> 581

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2052

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<400> 2676

```
ancctcacta agggaaacaaa gctggngctc caccgcggtg ncgnccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agctagagag caacatgata aagctttgcc 120
tgtagaagag taactgagca tcgtgtgcag aatggatgag agagaagcag cagagagaca 180
gcaaggccat tcagcaagct caggtggcag gtcccatctg atggaggaga atcaattcaa 240
ggagatgccc ttcctttaca gaacaccctt taacagcatc caggagggaac gagaggctgc 300
aatactgagg ctttcaaagt actcacgagg atgtccgaga atggctgtga tgccaggctt 360
ctggcagggt ccagactcca tcacaagccc agcatccctg caccagatct gacatcgctg 420
ctgttgtgcc agctgtttat gaagggcctg agtagctagc aggtttttat caggagccct 480
gctgggggct tagacaccaa aagagaagtc tcatcctctg tagttcttct tgtgaatgtc 540
cttttagaaa aacaattaga accaaccaca agcaccaaag t 581
```

<210> 2677

<211> 651

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

2053

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<400> 2677

```
nanagccaac cngtcactta aagggancaa aagctggagc tccaccgcgg tgcgnccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gagggccaac gctggttcta 120
tccctgcttg ttgctttttt tttccctccg cttcttgcca cggagactgc tgtccaggaa 180
gtgcgcagta gtgattctag agaggctgga agctctcctg gcgacgctgg gccgcggaag 240
ggctcaccgt atgactccta ctccctggta gcgcaggcgt tgcggaactc accgtcccac 300
aggacgtgtt tccgggggta cattaattgt ggctggacgc agtggcgagg cagtttaatt 360
ctccggcggc tgcagattga cgggacgaga tggtcctggc agggctcatc aggaaactcg 420
gtcatcagct ggccgagatc agggagcgcg ctctcaagag tattctctgc aagattgagc 480
acaacttaat ctgctacgct gatctcattc aggagaggca actttttctt catttgctgg 540
aatggttcaa tttcccgctc gttccgatga aggaagagg tctgaacctg ttaagcagat 600
tggttaagta tccccagca gtccaacatt tggttgacgt tggtgcagta g 651
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<210> 2678

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<400> 2678

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tgaacatgca gtatatgttc agatagaaaa aggaagtgcc agaataaccc agctttaaaa 60
aggtcttcag aagaaaggaa gtctcacttt ttaaaataaa caaatgagan agtgtttttg 120
angaggagca gaaaatggag caacttgatt ncagagcact cgctcccctc gtgatgttgc 180
cgccacacg cacctgcgac ctctgacaga aacgtgcagc agtgctttcc agctggtggc 240
aggtgatgta catggtacgg agacagaggg acgccatggt ggcagggtgca gccgtggtgg 300
agagcacagg gcgacactcg gcttgg 326
```

<210> 2679

<211> 343

<212> DNA

<213> Homo sapiens

<400> 2679

2054

```
ccatcctgtc ctgccaaagt tacatctcgc agatcctggt ggcctctgcc cttgggggcg 60
tggtcgacgc cgtggggact gtccgcgtca tccccatggt ggcctctgtg ggctctttcc 120
tgggcttcct gacggccaca ttcttggtga tctatcccga cgtgtcagag gaggccaagg 180
aggagcagaa aggcctgtct tccccgttg cgggcgaagg cagggccggc gggaacagcg 240
aaaagcccac cgtgctgaag ctacgcgga aggagggcct gcagggaccg gtggagacag 300
agtccgtggt ctgagccgca ctcccgttta cacacattcc agc 343
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<210> 2680

<211> 354

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

2055

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<400> 2680
gttttaagca tgtttattca taaaaacaag tcatngntgt attttnnatc ttttaagaatg 60
cttaaaaaag ctaatcccta aaatagttag atctttgtaa atgcatatta aataataaag 120
tatgaccacac attacttttt atgggtgaaa ataagacaaa aataatagtt ttagtgagga 180
nggtgctgag taaacataaa aactgatttg ctctcagctg atgtgtcctg nacacagtgg 240
gaagatttta gtacacactt agtctaactc cccattata cagatttntc actatatata 300
tnactagaag gggctaangc atattcaatg tattgagaaa cnaaagnaac caca 354

<210> 2681
<211> 156
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2056

<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<400> 2681
tagtggatnn ccgggctgca ggaattcggc agagnccaaa aaagtagttt agcaactttt 60
gttggtagtc naccatcgcn agggccatag tgtagagtgt gaaaagctac cgtgaaacnc 120
agtaatccta ccctgcaang tgantgccct gccaga 156

<210> 2682
<211> 219
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)

2057

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (199)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (200)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (211)

<223> n equals a,t,g, or c

2058

<400> 2682
aggcctgcnt ccagggctgg nctgaaggcc tnaccctcc tgcngaaaag ctggccgcn 60
aaanaatgtc tctnagagac tgcgagaacc ttttaatttt tncggctgg ttcggatttg 120
gggtggattt tggttttntt cccctctctc caatntcccc cacccttcc ccgncctttt 180
tttttttttt tttnaaaann ggttttttat nttgaaatt 219

<210> 2683
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<400> 2683
cctgccgccc ccagctttgc ctggacactg acttcattca tggctctcct acttcagggg 60
cagcctccca gttcctctgc ttccaaacta tgcaacctcc aacctgctcc agttccagac 120
tgtataacct ctgacctgca ctggttctag accacaacac cagattgtac ccagatagct 180
ggggattgga agtgaggagg tttctcacc cagagataac ccaagacaca aatgtgcaat 240
taaaagttta ttttagacca caaaaanaaa aganaaannn 280

<210> 2684
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

2059

<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<400> 2684
ggcacgagga aaaagcccg c ttcagaaaag cttgtcatta tccataggat acgatactta 60
attttacgct tccttatttc ttaggtgggc cacaattagt gaaaatctgt ttgcaaccac 120
tggttatcct ggcaaatgg caagccagtt tcaaattcat catttaggac accctcagcc 180
catcctcatg gggtctgtag ccgttggatc tggactgtcc tggcatcgaa ctctccctct 240
gtgtgtaatt ggnagggaga ccacaagctg ttgttttggg tgactgaagt ataaagtgtt 300
ttcnagtacc ttagattcac aaactttgtn tttttagtac anatttggaa gaattccnat 360
agtaccacan ttggaag 378

<210> 2685
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

2060

<400> 2685

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agagagagag agagagagaa cagtctcgag tttttttttt tttttttaa tgtaaagatt 60
ttatttacaa agcttttttg ttgtacagaa agtaaaaatg ctgttacaa ctcagtgtaa 120
ctggtagcca cagacggttg actcaccaat cacagctatc cacgctacag caagantctt 180
acacaaaaac ctaacaacgc ttacaatttt tttggggtga agtccacaag cttgggtggt 240
gattaccaag agggactaca tggaaggaag gcggaatgac acaggaacta ttctttgggt 300
cttnggggtg gtgggtgtcc tgggggttgt atcacagcta cctttttttt ttttttaaac 360
agctacaaaa tccatgagca gtccaaccaa tactgaacag ttctgtttct gcagggtcatc 420
tgggggtct                                     428
```

<210> 2686

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

2061

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<400> 2686
gtccggnac ttatagggaa agcnggntac gccgtgcagg taccnggtcc gggaattccc 60
gggntcgacc cagcggtccg cttcttttag tcaggctttc tgaacattga gatatacctga 120
acttagagct cttcaatcct aagattttca tgaaaagcct ctcacttgaa cccaaaccag 180
agtactctta ctgcctcttt tctaaatggt caggaaaagc attgccagtt cagtcttttc 240
aaaatgaggg agaaacattt gcctgccttg taataacaag actcagtgtt tatttttnaa 300
actgcatttt aaaaattgga tagtataata acaataagga gtaagccacc ttttatagggn 360
nn 362

<210> 2687
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<400> 2687
aaggagtcta acacgtgcgc gagtcggggg ctgcgacgaa agccgccgtg gcgcaatgaa 60
ggtgaaggcc ggcgcgctcg ccggccgagg tgggatcccg aggcctctcc agtccgccga 120
gggcgcacca ccggcccgtc tcgcccgcgc cgccggggag gtggagcacg agcgcacgtg 180
ttaggacctg aaagatggtg aactatgcct gggcagggcg aacagaggaa actctggtgg 240
aggtccgtag cggctcctgac gtgcaaactc gtcgtccgac ctgggtatag gggcgaaaga 300
ctaatacgaac catctagtag ctggttcctt ccgaagtctt cctcaggata gctggcgctc 360
tcgcagaccc gacgcancct cgccacgcat tttatccggt aaagcgaatg attagaggtc 420
ttgg 424

<210> 2688
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2062

<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<400> 2688
nancgagtgg ttatcttgcg gtaagattat ggatgatatg tatgtttttt tcttcgtatt 60
tnctacctta aacaaaaagn tagaaaatat gttttaaaaa gttatggatc atttgtttaa 120
ctttaaaaag cagaaacaaa accagaatta accccaaaac atgttgattn agtcactnct 180
atgtcactgt ttggcataac tctccttttc atgtcacata ttcttgtcgg ttctagtgat 240
tgatcaaagg acacctctnc actttccctt gtccctnggg caccctgtnt t 291

<210> 2689
<211> 282
<212> DNA
<213> Homo sapiens

<220>

2063

<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<400> 2689
aatcggcgan aggattggag taaggnttgt attttgaggg acatgaatgt ccaaagtttg 60
gaccatgaag atgatagaat cccaaggaat agctgaattt taaaaggctt tccccccaaa 120
aatgggcata tatatagtag taataattgc tactgtgtac atttgtttta aaaaatccta 180
gtgcttgtgc aagtgtaatg aattttgcct tatgacatga ctttgtggtg actatgcaat 240
ctgtncattg ttncaaaaag ttacacagtg ncaaaggaac at 282

<210> 2690
<211> 504
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

2064

<220>
<221> misc feature
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gccgtcttca tcccatgcgc ctcccacat ccactacttt cttatcattt ctaaagcatc 180
cttgagtggg acttttgtct ttctccngag aggggagctt agcgcttgng gttnttgagg 240
atgggtttaat agaggggnat gtgnntagct ggaacccaaa ctcttggtgn nttggtgtga 300
cccttgtnntt acacaatggt ngctctatggt ggattgggtt cacngaggnt tnnngtntna 360
tnagnttnna aattgntnat tgtgntagnn gaagttncaa aagtgttttt gaaggtaanc 420
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 ttgaagtga tgctgtttat cctccccact aatctgcact cctcacatgg gatcacagcc 180
 cagacaacat ggcagacaga gaggcagatg cagagctgca ctgactcagt gggaccagct 240
 ggggtnggtc atttaaacag accactcctg ccaaacagcc tgcggtgggt ggaacaggaa 300
 ggacttcctt ggcctcgtnc acatgggaga aaagannttt ttttttcccg gagacatgtt 360
 atagttggan tanttnatta cattattttg ggttgnccan tttttttaaa aaacagttan 420
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2071

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tttgttcctt ttaagataag agacagaagg cacatacagt tggatttggt gatgacattt 240
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caatattttt canatggncacacngtttta aaagcatgaa caacaaagtn atcnntggaa 360
atacgnannn ncaattatgg gttttgtaca tttnnagggt nccctngnng gggccatttg 420
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gttccttttg caatagactc tggcctaata agtggcaaga cagctttatg caacttctta 180
tatcttctca gagtgcagtc tgggtggggaa agactgaggg acccaggatt ctcatgggtgt 240
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aaatgtgggc agnttccctt ggattcacan ggattttcaa nntgttagga ngcaagtggg 360
tngcaacatn gaaggnncct tgggggnccc agagttnngg aagggngnga ntttcccaa 420
ggaaantttg ggggttntnt gccnagggg nggnattntt ggggnnggga anaannangg 480
gaaccttttt ttttttgg 498

2078

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atcccagatc agagtctaac tttttgcatt agctcctctg actgggnatt gaccaacttt 180
gtgaaataaaa agcctgcccg ctgctgcctc tgagactcag ttattagtag ccatggaagg 240
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cccatatgng ggagggttaaa aaaagtnaat ttcgaaaaca tttttttaat ggccttaact 420
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atcagtcctat gatgagaact ttttctagac cctcttctgg gctagaattt gggttttcagt 180
gatagagaca ttctaagaat ttgtggagct agaattaagn aagnngttta tattgggctt 240
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<213> Homo sapiens

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gcatcatgtt tgcaactgtc ctggtgaacc aaagcaaaag tttcatgaac cagcctaggt 180
tccagggggtt ggaagaataa acacctgttn aaatgggggg aagctgncat tgttatgttg 240
gcgtgggtgt gagtggcagc                                     260
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<211> 140

<212> DNA

<213> Homo sapiens

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aggnagaaaa ccatttcacc                                     140
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<212> DNA

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gtttcactng gtcactngag gttcataggt ttttctctta aaagacagaa taggactttg 240
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tttnagaatg ncttttnaca ngngagtngg actgtttnan aggnaanggg gnntgttgga 420
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gggaagccac tttccctctt gtccacggnc caggcattga tgcccccttt gggcagcanc 240
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gtgaagactg gctctgagac ccagtgaacct ccatactctgg ggacagttct gtctccactg 180
gttttttgcca ctggatggga cagggttgag gtggcttcgt cttgctgcct gggcattcct 240
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aaggctaagg naagatgnac aanttttgag ggncctgtgg catcgnggcg gtttttccag 360
cccggncaaa agttgacccg atgtgaatga aaggcccagg ganttggggg aagcantngn 420
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 aacagacaga attcaaagaa agaataagccc ttctttcatc cattatgaaa tgaatttttc 180
 atttgagcat gtcattttgc ttttttggtc caatggagat caaagggata caggtnnacc 240
 cccagtgttc agcagttctt ttcagttctg gaccttnaaa gaaaggggtc tggttgnaat 300
 tgttgcagan ttagntctnn tncaggcatg tggggacncc agatgnntgg gtgtttgngg 360
 nagccgagtg cttgtatnagn gtaacgtgnt gttttaanga acgggtggna agagcnngga 420
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gcagtgtagg gggnaacctt attaaatctn aaattttcca nngtgtactt ncnattntt 360
agcncntaag ggaaaggtna aattgtgggtt gggttatacag nggttnttaa tggncccaat 420

2115

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2117

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gcaggcaacc cgggcggggg accgggactc ccggagagcc cagcaggcca aaggctttgt 180
ntcttccaca gacgttttcc ntgggacttg tggccctcct ggcgtccaga aaccttnttn 240
gncctccatt gcactgggtc ctgctggcat tagctctggt gaacctgntn ttgtncctgc 300
ctgttnccctg gggcttcttt tgttgtgtta attattgtgg gncaagntng gcnnnnngntt 360
nattgttnna tnnnaannag gatttttttg atcttttgta acaatggggnn gagggggnncg 420
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gngaccaacg tttgcactag tttccagggc gtcctgggtn gttttntgca aagccccggg 180
tggggggatt ttcc 194

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2127

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 cctgttcttg ttttactcat ctttgggaaa taatcctagc agctaggnat caggtttgaa 180
 taactaatng gatgattaag tgaaatattt ttaaactaat tcagcgtnta ctcttttag 240
 acaattccat actggaaaat aatttcecca catattccat tnaggcaagt aaggtgggcc 300
 aatnccctana taaacttagg ggggggtttcg gtggtntngg tttttttacc cttncgggg 360
 nntttttttt ccnnttttta tntcggnttt tgcttttggg ggaatttgcc ccnggggggn 420
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2131

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agcttaagag atgaagggtg cttgagcagg aaatccaccn atggcccaaa gaggaaagat 180
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2134

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cttttagtta tggattacat tagttaactt ttaatttctt ctgtttcttt tgaaatttta 180
tttcatcttt tagttgattg ccttttcatg tatatnagga agttattcaa attccacgta 240
tgnaaaaaga caattcttta gcacataaaa acttattact tcgtgaggat agaggaaaaga 300
gaaaatgact aaagttantc taattagagg aatggggaag tggtnnttgg gnacaattaa 360
tccnnngctt tnttgatttt ataggggaag ggtcatnagg tntccnggaa nccngtacng 420
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2135

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 cctcatttct ctcagaactt tgggtgttaac agcctgnttn cctcctttag gggatgactt 180
 tgaacttagc agatgnctta catgacaaa gaaactgtga gtaactcctt aaactctcca 240
 ctgtgggntg acttgcttat natcacaaa ttattattgt tttcccaaaa acgnatctcc 300
 tngtgggatgg tccatggnaa ccnnttttnn nccagngggg aatntnnggg gggttangggg 360
 nttntngnn tnntttttgg gggatttttt gggcccttnn ttttggnttt ncccccttn 420
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tcgctcttgt gccctagcac cccgagaact gtcagtttga gccagatgga agctgagctg 180
aacacattac gatggatgat ggaaacataa gactatcaag aaatccaagt ggtaatgggc 240
gaattttattc agcatccggc aatggactta tcgtagtttg gggaaacggg gtgtttccga 300
taatntcctg gagttatcag gacacctttt ttaaatttgg ggcttgattt tngtaaaagt 360
aattntttta ggtggtccng gnttaattta attaaaangc ttttaattca 409

<210> 2718
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2141

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ttttnatgga agtagtacgt atatttggcc cccagggacc tgagaatccc cagtgcctcca 180
naggagacac tctgcagaag aatgtntgtn ttccagaaaaa gggagtaggt cctctggtgg 240
cagctgctac tgtgccagtt tatatggggc cagttaagat tagnggctga ttggccagct 300
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ncccntggga accc 374

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2142

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<220>

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2143

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atgggggtgct aaaggaatgg gaacgtgaaa ggccttgacg aggcactgct acaaggtcca 180
tgaaccgcag tgcccaccgt agatnaantt ggaggacttc atccaacaac attnaacagt 240
nttttggaag tccttggtata ttgagattaa agagaaggag tgcacggaaa gatgatgggn 300
agacccattt tatgnnttgg tg 322

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<211> 385
<212> DNA
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2144

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gncagtgggg ctggctggna ctgtgccagg cgaaggttca agggatggag gtacagttgt 180
gtngaaaggt ggagcctngc tgggaccggg gnagcttttc ctccaaggcc tncgcctggn 240
cttatgaatg gncgttnagg ggttgagggn gaaagctttc atccccaaaa tggcaccagt 300
taacttgggn atgttcaaga atgnatggtt tggctggntt cttcagggat tggngttcaa 360
ttttccancc caattgaacc tttcc                                     385
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<212> DNA

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2146

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<220>
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acagtgtcac ctgccagcac cacagtgccca ggccttagtg aggaatctac caccttctac 180
agcagcccag gctcaactga aaccacagcg tttnttcaca gcaacacttc agcctatccc 240
agagaaaacg gcacagggaa cagtatgatg tgcctcaaga gtgancgaaa ggaaggcacc 300
cctggaatct tnccagaaga cggccatctg ggaaggacca gaatttgagg gcgngccnat 360
ttcgggnctt g 371

<210> 2722
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2147

<212> DNA
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2148

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catttttnatc ctccaacaac atttttnnat ggtccctgct gtggaanata gtaatgtaa 120
atnlnactna ccccatcac acattgcaag cagcactcac ttctttggaa agctgagctc 180

2149

tgcattgcaac atgctgcccc aganggnaag gaagcagcac tggagacctg tgtttcgtaa 240
ctaaccaaga taagggcatt tttttccaaa tgtctgtgga gggggtcaca caattttnaa 300
ctattttactg ctgtnaaccc cattttttaa agtgtagtct gtgaagccat ctgnaatcaa 360
agtttctcttg caaaatccng gccaaaatcc agacatactg aatcagaggg tcagggtcca 420
gattaggcat tttgaacaaa ctcagggtca taaagnttga aaagtttttg gg 472

<210> 2723

<211> 416

<212> DNA

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tatcaaattt ctttttcctac atttggttaag ggtgtggcat tgatacccta ctgggattat 180
aaattggtaa tgggttttttg aaagcagttt ggtaatatgc atcaaaaact gttgacattt 240

2150

ttcattcacc tttggcctag taatttcatt tctgagcatc ttttctatgg gaactattcc 300
taaataattgg gaaaagcttt tatttatggc atgaagatgc tccattggag ntattattta 360
taattngggg aanttaancc cccagttgtc ttaccagggg ggggnntttt taaatt 416

<210> 2724

<211> 321

<212> DNA

<213> Homo sapiens

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2151

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<222> (276)

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<222> (294)

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tcaagagagc agtaaatgaa tttaaagcaan ccatgctttc acattaagca cttggagact 120
gtagtgtntg tctagatcat gnattacatt gtagggatta taatcggnaa atnaaggtaa 180
ataaaagtca attctgctaa acagttgatt actattccca aagggaaaag tctcatttga 240
ctntctctct ttttaaactg agttnaccag aaaggntgaa ataccaaaga aggntaaatt 300
aanatggcat tgctggggaa a 321
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<211> 346

<212> DNA

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2152

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<220>
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<222> (322)
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<220>
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<222> (338)
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tagataaaaa cttgggggctt ataaaaagag cacctacaca ctaataaatt tcagaatata 120
tcagattagg cattctagtt tgagaatgtg cttganattgc atttntgttt ggatgactta 180
ttaaagaaac agcactctgc cccaaccaa ctaatttcct catgccctgc aagtgccagt 240
gtatccattc ctgctttggg ttttntctna tgtctcccaa tttcccataa tggctccttc 300
taantccttt ccagtgcac tncagaatctt ctcttttnt tttggc 346

<210> 2726
<211> 437
<212> DNA
<213> Homo sapiens

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<220>
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2153

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<220>

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ttccacatat tggtaaagct cttccaatag cttttggnaa aggaaaaatg naaaagtnaa 180
atgttttgna atctctgtgt gtttgacaat gtctttatatt tacccttata cctgattgcn 240
gttttggttg gcaagggtata gggattcttt agtgggtctcc atgcccagtt ttggaagaca 300
tctgctaagc tttccagtggt ctgttgctgt gggagtctga aaaatctgtc ctttctgggn 360
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aanccntttt taaaccc                                     437

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<211> 476

<212> DNA

<213> Homo sapiens

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2155

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tcatgaaggc agcggccttt ggatattaaa gaatgtaaca gagttttaga gagtgcctaa 180
cccaaggcat acggactttg aattttatct gaccggcact gacatgctga gactttcaga 240
ttgggaaaagc catttggtgt tactgccatg tntgtnccca aattcttccc gtttagtttt 300
naaaagnncc aaggaatnat ctttgggttt aggttagget ttgngtncta ggngaatttt 360
gggatgggtt tnnacatttt cctggcccat aagggttttt taaaaggang gnccctttgt 420
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<210> 2728
<211> 384
<212> DNA
<213> Homo sapiens

<220>
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<222> (131)
<223> n equals a,t,g, or c

<220>

2156

<221> misc feature
<222> (193)
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2157

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caatttgtga ntatgaaagc tcgcattaat cttccagtgt gtccatctaa gtaaattttt 180
gtggttgcat ttntgcttgg gctgcaaaat aaagctgatt ttnatttcca ggnngtacct 240
tttctccctn tncaagttta ttatnnttgn gttttgcatt ntgtgtttta gaaacaacca 300
accatttnga cncatgtaac ttttctttgc cteccccagt tttttgggtc tttggcaacc 360
cttgtgggnc atgtgggcct tgat 384

<210> 2729
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (107)
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<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

2158

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<400> 2729
ggggcgaggg agcacatggc aagggaatga caggccaagg tggggcccag aggctgntta 60
aggaggcaca gactccctgg tgggaggctg gggccatgag acccgtnctg cactcaggaa 120
gccacattgc aggcagactt ttttagatga ggaagcactg cccagagtgc ctcgtttccn 180
tttttttgtt ggaattggaa atgaatgctt cccatcantc gcaagcttct gtacgttcac 240
tgtgncttga cattgtggac ttctaaacat tatttntccg tgnagcgaat cctttcaage 300
ctggtaaggg gacttnacag cttgtn 326

<210> 2730
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2159

<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)

2160

<223> n equals a,t,g, or c

<400> 2730

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ggcaccgagca gtttttagatt tnatcagttg gtctattttg ggatttgaag attaagctgt 60
aattcctcta cctctcctct aagcgcatac ctccctctct nattttcaca gtagagtga 120
gttacatcac actttctggt taagttagca ttcaatattt atactatttt nactctgtaa 180
atactattca caactggaat gtgtggtatc tgtaattata ttnccttttt nggtccaatt 240
ttnggcttga gttttttgga attaataata ctgccttatt atttnatttg tntgagtggg 300
tctatatagc agaagactgc ttattatagt ngatattttna aacttcccag aacagaatga 360
catgnnttta cactccaggc tgtcc 385
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<210> 2731

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

2161

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 2731
ggcacgagag actgtctcct ccctccccgc ctgnaatgaa ccctgtnaag ggagacaggc 60
caggaagtcc cagaaatatt tattcttgtg actctcacia aatggaaaaag ggtctcaatt 120
tttgtttctt taaggaactt gtgttctgcg tctgtgtcta cactgcctcc tctcaccaac 180
caaattgtct agccccctc cagttacgct agaactctgc tttatcttca aggaagaaaag 240
ggagtnggga gaagttacct ctnaaacctt ccagcatggc catcaatttt tttggaataa 300
tttgggaggg tcaacatgct tttgggaaaa gtgttttgga aaacggtttt ggggggggttg 360
aaaaggaaat nttttgcctn aantggncct ttaacttcac gggngtgacc cattcaa 417

<210> 2732
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2162

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<400> 2732

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ggcacgagcg gcacgaggca aaactctgtc tcaaaaagaa atgaaagggt tacctgttgt 60
taaatagatga caancagtat tcatgaacat ttggtttata caagatttac ctttataactt 120
aaccaaaata cttcttgatg taattattat gtcggtaaaa tttaattagg aaatttttta 180
aattccaaga aaatattttc ctgtagctta agccattata tttggttcag tgcttataaa 240
agcaaaaagaa taatttgtca ttcatttttt aaantagtgt tttttccaaa tttgancant 300
aataccaaca tttcatccaa tgggttacc cncctctgctg ggn 343

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<210> 2733

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (478)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<400> 2733

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ggcacgagca ccgcgcctag ccagttttat tacactgctg tagtcagtgc ctacaaatth 60
tntctatect gccctttttg gccaacatta gctttaatca ttatcctaaa accaggaagc 120
tcaatctacc atgctttcat ccttgaaata aatttgggaa gtgacactca ggtcagaata 180
atztatgggt gatggagaca ggtgagcagc aatggaactg tcaaggggga ggatttttcc 240
actaccctct ggaggggtta gtggagccct gttgtatgaa aggaactttt aaaaccatgt 300
gtgtctctca aaggggatac ggctggataa ctagtggnta ggcagatcgt ccattaaaga 360
tgggatatta gatgtctaaa attttaattc ctaccagtaa accctgtgat gatggggtat 420
tattaattcc ccattttttac aggccattta attgaagggc tcaggaaagg ggttagtngg 480
ctttttnttt ccaaag 496

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2163

<210> 2734
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

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aagtgtcttc aggcctatgc aacagcctgg tgggatctca cagtgggac ctcctcaaga 120
cctcatttgc ccctgcctac aaccacaaag aattcaaggc agttcctacc aggaaacaat 180
gtgagatccc agagtcctga gactgggatg gggttcttgg aaagtgggtc ggactgcctc 240

2164

ttgtggaaga ccctgcccag agcccctgng tgtgaagcac aagcagacca ggacccaagc 300
aattgntcc catgnaaact ttggngccc cnattggtta agatttt 347

<210> 2735

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (447)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (482)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (489)

2165

<223> n equals a,t,g, or c

<400> 2735

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ggcacgagct tggcctgtca gctgtncatc tgtaattcan cctgcnttat tcataatgta 60
actgaagctt gggggtgggg aggtaagaat agaaaaaacg gattcatgtt acagtgtggc 120
agggtgcagga gatggaaant ggcccagttc attgagaccc ttctggcctt cccatactat 180
ttgaggaagg aagagcagtt catgtgaaaa attgaacaac aaacctgtct tccagacttt 240
ctcaaacata ccaaattcta tggggtgtgt gccatttctg gcatgcaggg aattctggat 300
atgccagggtg tgtttggtct cttgactcca cttgaaaggg gaaatgggct ctgcntttgt 360
actgtgggca gttgggcaaa ggactttgac ctctgtgttc caattttggg acagggaaaa 420
gtgccagtct caacatgcag gtttctnggc ataaaccagc gggttggtag ggaaaataac 480
cncagtttnt gtttagacac t                                     501
```

<210> 2736

<211> 75

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<400> 2736

```
ggcacgagct gccatctaaa atttcatttg aaataagtat tctnctgctt tcaaaaaaaaa 60
aaaannnttt tnaaa                                     75
```

<210> 2737

<211> 86

<212> DNA

<213> Homo sapiens

2166

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<400> 2737
cggcagagcc acaatgaaca gtncacttaa tncctgggt tttccaataa acagtttnaa 60
ggatataant nggtttaaaa aataat 86

<210> 2738
<211> 56
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>

2167

<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<400> 2738
agaggggncg catccatggt taatncacac ccnctgtcta tnaacttttg gaatcn 56

<210> 2739
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

2168

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 2739
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atagacctca gacaagtaat ttactcctg taagcctgaa tttntttata gtaccctaac 120
tcataagatt ggtgagatgt ttacaaataa cctaagagaa gtttcctggg caaagcctga 180
cttacagggtg caaggtaaca tgaaattact gactgagac agatttagtt ctgagtatgt 240
ttatgccact tagcctatatt ttgtatataa attgtacaga atactttatc aaacaagaat 300
agagtataca ttctttctcaa gctcatacag aacatttcac caggttngnc cacattctgg 360
gncctagggt acaccttaac caattttaaa ccggttaaaa gcttncaaag tttgttctca 420
gncncatgn tatttaacct aaaattcacc accnggaggt taccgccgtt 470

<210> 2740
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

2169

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<400> 2740
ggcacgagca gctgtctaag aggttgga aaatnaactact caagatagtc acgaaaatac 60
tgaantttga ttttcctttc catatttgaa ttaatttttc ctgtttgact ggaagggggtt 120
tttgtataac taaaacctca gcgcataaaag gagattttaa aggagcacat gatttagtgg 180
gtgggccatg aaactagaga tgggattttg ggggtgaattt gtcaatatct ggattttaat 240
ccagacatct ctgctaacaa gccttttgta agtcacttca gatacttttn cctccttttt 300
acaaagagag ggctggctta gttatttgcc caagnccctt tccaggctgn attnccacaa 360
gtacggttta ctgtantgtc ttatcancct ttcaag 396

<210> 2741
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2170

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (323)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<400> 2741

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aacatacgcgt gtagttttgg tatagtttag gcttactgag ccactttnat nagtcctggg 60
aattgatggg aacactccta aaatcttaaa tnotcaaaca cctgagaaac aagggccaac 120
cttgtaaagc aggcctccaa ggagagcagt caagcctcct atgttaactc ttctgtatga 180
ctatatataa tagaaagtga atgatgttga aagtccatta agatttatcc ttgtnttgaa 240
acctccatat ctagaagtgg aaacatgaca ggggnathtt gacgtaataa aagggaaaac 300
tattgaggtg atactgatac ggntatatat tgcattctng gnaacagggg gngttttccg 360
ttaagattac ctggcaaccg ttttttgggc nttatggtcc cggaac 406

```

<210> 2742

<211> 85

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

2171

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<400> 2742
ttcccagttcc accgtcccca tcgtgggcat tngtncctggc ctggctgtcc tagcagttgt 60
ggtgatcgga gctgtggteg ntggc 85

<210> 2743
<211> 135
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

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<222> (67)
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<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2743

2172

ggcagancgg gcacgagcnt gggggtaccc agcaaggagg ccacggtgcc tgacctcaag 60
cncaaancn tggaccagat catggtgaca gtttaggcag ggcccccaag ggagtggcan 120
ggagattgng gccct 135

<210> 2744

<211> 75

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<400> 2744

ggcanagggg aagccattaa tgnactaant cgttttgacc acatatatac caagncccta 60
gncttagaga taccc 75

<210> 2745

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

2173

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (187)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (200)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (226)

<223> n equals a,t,g, or c

<400> 2745

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gggttggttg tncatgtttt tttctccccg tttcctgcct ttccgtagat ataaagggcg 60
ttctggtgtc actaaaaatg actatagtgt ccagtgtctc tnatttccat gtgaatctac 120
aattggggac ccccctccaa aaaaggaaaa gtnaaggcag gatgagggaa aggaaagagg 180
naaaatntga ctgcataggn cccaaagggt ttcctctaata tagaan 226
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<210> 2746

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

2174

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (354)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<400> 2746

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ggcacgaggn agaagcagga ggtcattaaa gaagaccatc gtctttgggg tttgggaatt 60
ggcacaaaggc atataaccca ctgattctct gatgtntgac aggtgagtag ctcaggccaa 120
gtgaactggc ttcctcatcc atctgggtctg nggctgagct gggactacag ccaagtttcc 180
acactctgtt taaataccta agagaaagag atcacccctgc acggaatgag ttgacctaa 240
aggagtgaag gagataaaca aagggatctt tgttcctgna tttccctgga agggaagcca 300
aatggcaata ggggagatgt ngggtatgga cacatncccc agagcagcca gcangtggnc 360
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<210> 2747

<211> 54

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2175

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<400> 2747
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<210> 2748
<211> 157
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2176

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<400> 2748

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gggcagtaag tgggggggatg gggagctggg ttccccgnt tcaaaggggg tgtttttaga 120
gacatgnatg ttttggnac aaagggcanc aanggggt 157
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<211> 344

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<220>

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2177

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ctagcagtat ttttgtaagc nagtttttat ttgatgttgt ttgctattat tgctgtctgt 120
catataaggt cgnaatctaa taaaatatct gngggtaagg gaagctggga gaaccttgga 180
gtcttatata tctagtgaat atcaaatgng gantttgaga atgtcacatc aaattttgtg 240
tantaataac attggttcat atttaacca ttacataggt tgatttttag ggngctatgg 300
attgnaccat ttgaaatatt natnanggae aaccatgggc cgga 344

<210> 2750
<211> 382
<212> DNA
<213> Homo sapiens

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<220>
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2178

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<222> (150)

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<222> (248)

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<220>

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<222> (301)

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<220>

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<222> (320)

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<400> 2750

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gctggatatg ggagggaaaa gaagaataan cataaaaaatg aatcctacag taaaaacaca 180
ggacccaaaa aatcttttta tttaaaaaaa ttaaaatggt tgtcccatta taagtttctg 240
ggcttgtntt tctttccgtg aaatataaac tttttggcca gcttttaagc agttgccagt 300
naaaatgggg gggttaaaan gggaatttgg gtttagtgcc aaagagttgg gggtttggga 360
atggggngn ttggaagggn aa 382
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<210> 2751

<211> 235

<212> DNA

<213> Homo sapiens

2179

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<222> (81)
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<220>
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<222> (181)
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<220>
<221> misc feature
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2180

<220>
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<220>
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<222> (215)
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aagaaggcag agctgaatgc nggagaaaaa ctgagtacta gcaacanttt ttgaaacct 120
ggnatactgt cataactgag gctagtaatt aatccctggn acttgtttgc cactgaaaat 180
ntccttgttt tgnttaccct ggttttcagc tnggnaccct ggatcacttg gaagg 235

<210> 2752
<211> 301
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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2181

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<220>
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tntccaagca ggcttcattt atgtttactt aggtttcana tccattcaca ggggcacaga 180
ctcagtcctc agtgnaatct tgaaagntta ctggttcatt attgcacact tttattagtg 240
cctgtnantc tgtttgaaga atggtttttt attaaacact ccctttgggt aaatggccng 300
t 301

<210> 2753
<211> 292
<212> DNA
<213> Homo sapiens

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<222> (83)
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<220>
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<222> (183)

2182

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (191)

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<220>

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<222> (218)

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<222> (276)

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<400> 2753

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tgggacaccc ctccaaggag agggcgcttc cttgaagtag gtgggctccc cttggccctt 180
ccntccctat nactccatac tgggggtggg ctggaggngg ncacaggcan gctnattgta 240
aaaacctttt tatttttagta aaaattatac agaagnttaa aaaaaaaaaa aa 292
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<210> 2754

<211> 121

<212> DNA

<213> Homo sapiens

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2183

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<220>
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ttttgttngc ttggttttga ggggtagagg ggaanccct cncngattgc ccctttaaaa 120
a 121

<210> 2755
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<212> DNA
<213> Homo sapiens

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2184

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<220>

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<220>

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<400> 2755

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gggggantcc tgggggttna aaagggtntg gggccnt 97

<210> 2756

<211> 195

<212> DNA

<213> Homo sapiens

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<220>

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2185

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<220>
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tntctttctct ggaaaggaaa gcctccaana ntccatgtcc ttgggcagct ttagaaggcg 120
ttnagaacca cgcctagcag gnagaccttg aagctcacct ttagtctatc tncagaggga 180
ttcanttccn gcaca 195

<210> 2757
<211> 52
<212> DNA
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2186

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<222> (41)
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<220>
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<400> 2757
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<210> 2758
<211> 70
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<213> Homo sapiens

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<220>
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<220>
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atcgtttnana 70

<210> 2759
<211> 392
<212> DNA
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2187

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<222> (329)
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<220>
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<220>
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accaggataa tcagaaaata tcccaaagcc ttccaaagag agaaaaaaaa agtcacatac 120
aaaggatcag gaatttaaat ggcgctgaaa ttctcaaagc aaatttttgaa gtccgagcac 180
agaggaagca agagcttctg aattctgagg gcaaacaatt tctaagttga cttttctatc 240
cagctagaac ttcgtgcagt gtgaagtttag aatgangtat gttcagacng tgagttcttg 300
aaaatatcac ctcccttgcc cttttttcng gcagttantt aggttgtgct ccaaccaaac 360
aggggggnaaa ccagggaaat ngggcacagn aa 392

<210> 2760
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<212> DNA
<213> Homo sapiens

<220>

2188

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2189

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<220>
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2190

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<220>

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<220>

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<222> (280)

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<220>

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<400> 2760

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tggttggtttc catattttgt ntgttttncct atttccaaan tagcctnnct tgggtactaca 120
tggttaaagnt caagctnttt ttctancccg atcagggatg tanctcttcc ccgtgtcttn 180
acagtgtccc naagnaagtt ttttggcagc actctctggt agctgcaggg gtagtgaaat 240
ttggtccaga gaaggcgnga nggaaatagt ttncctgttn cctagctctc cgaggtcggg 300
tttttncct                                     307
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<210> 2761

<211> 405

<212> DNA

<213> Homo sapiens

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<220>

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<222> (340)

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<222> (353)

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<220>

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<222> (363)

<223> n equals a,t,g, or c

<220>

2191

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<220>
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gatattttgc agattttctaa atgcattttta ttgcattttag aagggaattt tgtagtattg 120
agaaaatgca ngcaaaaaaat gaagtagaga tacaatgtcc atttaactca gaacaaaaca 180
accttattttc cccatagttg aaatggaggg cggggaagtc aggcagtggg ttctgaaagc 240
caagaactta gtagcactgt gccattctct tgcctgatcc agtgccattc ccttcacttg 300
atatctgttt acttttagagg aggcagtttt tgagaaagggn tcctaaatat ccngggccca 360
tgnccccagg ggctttggac caggcaaagg ancatantgc cctgg 405

<210> 2762
<211> 478
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (290)
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<220>
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2192

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<222> (324)

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<220>

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<222> (365)

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<220>

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<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

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2193

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<400> 2762
atattcagca aaaatattct tcaaaaacaa atgtgaagta aacacatttt tagtcaaaca 60
aacgctgtgg naaattcctc ataagaagac ctgtactaca agatacatgt ttttacatca 120
gtacatggaa cattctcgaa gatagaccat atgataggcc acaaaacaag tctcagtaaa 180
ttaagaaaa tcaaaattat attaagtact ctatcagagc acattgggat taaaattaga 240
aaacaactct naaaaggaac ccttcaaaac cataaaatat gtgccagn gn cacacatngg 300
cttcaaatta aggggttgan ggangttcta ccagccgntg gnaagcaaan annggccggg 360
gnttncaagc ccgggttctg ttaaaaccgg cttttaacc accangttcc aanggggncca 420
gncctttcct tatgggttaag ggggttcctt ttaaccaggg ggggttactt ttccncgg 478

<210> 2763
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

2194

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<400> 2763
ggcanagcct acttcaacta tctgaagaga ttcttcaagg tggaggatac agtgggttata 60
ttagttactc tcacccttgt tattatggaa ggtaaaattc ctggatccta gatttaattt 120
taaaatagtn aatttaataa tgtctgggtg aaacctctta aaaaaaacac tttgcagcac 180
atctctggta gccctgtgct tngaatgac ttttaggctg ccagttcaga agatggaaga 240
tattaaactg tgttgatgga gttgggtttt ccagtgggac cctgttaggt tcctttttaa 300
aaaaaataat aattttttat aatgggtatg tcttcgtgag nccctcacia centgagggt 360
tttacttggt tgggenganc aaggacatg aacgttttaa agnccgttcc actaacattt 420
acgggagggg gcttaaaggg ngc 443

<210> 2764
<211> 51
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>

2195

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<400> 2764

ggcagagaaaa aagagtggaa tcatgtaaaa ttctcagtta anccancaan g

51

<210> 2765

<211> 117

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<400> 2765

gngaaagacc tntttcctgg gnetctnecct gtgtagtctc cttcaggact tattgtgctc 60

agtgaacatc cantgctggg tgcagctcca tgcaccctgt tgtntgttta catgtnt 117

2196

<210> 2766
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<400> 2766
ggcagagcgc attcaacttt ctaaacaatcc ctcagactga cccacatctt tctatccact 60
tttaacatct tgcttgaatg acttccccag gcccagccag tctcccgcc tccagctccgc 120
ccccttctga actcccttta tgtggtacaa tcagagagcc cttcccaaag cacaaatctg 180
cttttactgc tttgcttcaa gccctttngt ggctcctatt tccagctgga tgaggtccaa 240
gcctgtnaac gtgctgtacg tgttacatgg cctgaccccc cgtaaatttg accagccaag 300

2197

ttttcttaca tagcgttgtg gtcttttggt tccttcctgc ctagaantgt cctttcccnt 360
ttnattttgg ttttnagggg tggtgccaaa ttncta 396

<210> 2767

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 2767

ggcanagnca ataagggctg ctttagaatt aggttatatg gcaaacattt tttctaaatt 60
tagtgagcta aatctcaagt tccaagggtta tgctataagt aagagaaaaa gcactttatc 120

2198

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aagaaatata gtactggcaa atatacatta caaattatca ctatttttgaa ttttcctact 180
gagtgttttaa catttgatga gtgaaagaga aacaggtata atcaacaatt atatggtaaa 240
tcttagtgaa gccctttttg ntatactttt caggagccag gaataggaaa ggctgcataa 300
cagactttca caagtccagg tgtttttaat ccngtgcttt tcaacaaaac tgaggcatta 360
ccncatttgg gttaacagct gttnggtctt ccggaaattn gnccggtga 409
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<210> 2768

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (257)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (273)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (381)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

2199

<400> 2768

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ggcagagcca tggagctttt caagtatgaa ctttgaaata taagttaaata taattccagc 60
ttaattaact ggaacttacc attcattctg ctttgctaaa ttactacgct actgcttagt 120
ggatttttct aataccatta taaatgcttt ggaattctcc tgcccctaga aaagataaat 180
tgatctggaa tctcttatag tttgtttgtg cctgtatgtg ggaagttctg ggatgacctt 240
tggactgtat caacgtngat tataatcgag gantataaaa ttacagctga ggggggaaaa 300
gtgggttact cctggtagga tccatcttgg atggccttca gggaggacag aattcaccaa 360
attaacttng agtctagttt nagggattta ttnaggccgt ngttaggggg ggtaacn 417
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<210> 2769

<211> 292

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (238)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (264)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (285)

<223> n equals a,t,g, or c

<400> 2769

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ggcagaggct aaccctcagc aattctgatt tttgccatgn caaaaatata aatttttagg 60
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2200

tgaaatctct tcattttttc aattagcaat aattcaaaaa attaaaaatt ctctgcaggt 120
caaacaaaac atatctgtga attaaatggt gaagtcattc atttgaaacc tctgcttggc 180
ntgtttttct ccaactgagtt tagccagctg agcaggggtg gcacatacca taagggtnng 240
aaaaggggtg ttccaagagg tccngttggn gttgggggtcc ngccntaggc tt 292

<210> 2770

<211> 261

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (135)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

2201

<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<400> 2770
ggcanagcca ttagtggagt attaagccgt accctaagat tataaactgc angatgtgca 60
aagttggcta agggctggtg tatttggcag ggctctatac ttatacattg tcactttttt 120
ttttttgggg ncagnngnaag ccccatntn ttntangaaa aaaagccagg aaggaaagga 180
aangaaaang aaantttttt cccacatctg gctctgttaa gctgngagag attgggcccc 240
cccgTTTTTT tcccanagcc t 261

<210> 2771
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

2202

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>

2203

<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<400> 2771
cagtngngta nttcaangaa gatngtntcc taancacaaa gantgngcat ganggccagg 60

taggccatca	ttnccttagg	nncaatnggc	cntttcattg	aagcagtttt	aaaacaagaa	120
ggatgagtac	gtatacattt	tataaaatcc	attctgctaa	cagtgtacaa	aacaaagnga	180
cctcagatta	gatgcagggg	gtcccattaa	atggctattg	gtgtaaccca	gggcaaaaaa	240
ttgtggtagt	ttggancaga	attatgggca	gtagatttgg	agagactggn	ntagagtttg	300
ggaggaccag	aaagtaaaat	ggncagnaat	atcttttaaat	ttactgnaaa	tttacttggg	360
tt						362

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<400> 2772
ggcagcagcc taaacaagac tcttccatca aaagattcca tatatcccat ttatccagct 60
gactcccttg ttgtgagccc agatctacca ttgcaattct ctgattatag tttggattcc 120
taggctctct atggaagaaa aatggtctct ggtgattgtg tactttacta taaattgtga 180
agttaagtgt tacggtttat acatcagtn tctgttacatt gattaatgtg agtctactac 240
tacagatgca ttgcattgga aaagccaggg gatctggaat ccataggaca gggagccaaa 300
atatagnnca gggtatatatt gtgcaaggta atggccattg ntatggttcn tcttagattt 360
gtttttgcan tcct                                     374
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2205

<210> 2773
<211> 121
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<400> 2773
ccantttcttt ggaacgagga ggtccccccg gaccgaggct naacaaggna agcccctggn 60
gctncctgta aataagaatg tggttggcaa gatgcaaact gtgggatgga tccatcacct 120
n 121

<210> 2774
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>

2206

<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2207

<222> (257)
<223> n equals a,t,g, or c

<220>
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<222> (271)
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<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<400> 2774
ggcacnggga aaantaaggc acacataaaa ncaatagatg ntacacacag aattttaagc 60
agcanattta tcttactaat tatgtattgc agaggccact attntaaagt ctttnantcc 120
tctcacacac acacctacta actatagaga caggtaacct agnaagcctg ctnaaagggt 180
atagtgaagc cacctgggct gttttnaaaa ccattcacia acaatatgga atgtttgtgt 240
ctgacaatcg gttgggntac cccttgaccc ngtggaaccc tgccagtgc tggggttccc 300
cgtgaaagca ggctcagngg aaggaattnt actttncaga agttttatt 348

<210> 2775
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

2208

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<400> 2775
ggcagagtac tcttttttct tagccatagt ggaatgggtg tncataggca ttccctggcc 60
cagccttacc tgcttaggat gctggactaa aagaggcagg ttttgcacca agaaagaagg 120
ctgttgagaa gaggggaatt gtcgcagatt ttattgtctt tttacttaac agatatcttc 180
tctccatatt tnccctccaa tttaaataac atttattgga cacttcttac aaggttcact 240
tagactaacg tttttttaaat accgagggag aaaaatgtgt tccatgctca agcgtaggag 300
ttggtagggn ttgttttaaa atgaaggctc gttatgtggg tgggatntaa taagggacct 360
tacaccggtg gtacttgggc atcatttaan gngacctttt ttnatgaggg cttttgaggg 420
aattttnatg tgaaagggcc cattttttnc ccccaggg 458

<210> 2776
<211> 162
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>

2209

<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<400> 2776
cctcccgttt antatcanga ctagacgaac ttaagcggan aactccncag atgcgcatag 60
gccactttta gccatgtaaa cttangatta agttcacaag tncaactttt gnttttaccn 120
gtccagtatc tcttttaggac acaaagcagt gntggagtta at 162

<210> 2777
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

2210

<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

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<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
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2211

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<222> (316)

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<400> 2777

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tgcngncagc tactggcata gctcttttnt nagaatatcc atcctcacag agagcttctg 120
taggagttgt gaactgaatt acaactcaaa actctggaaa taaatgcaaa atgcaactga 180
aggattctga aaaagtnaag caacagcagg tcagattggg tagggaagtc aaaatttgaa 240
gaccaacagg tatggctgan tttanctgtt ttgtatccac ctttcttaaa cctccngggn 300
tttttaactt ttttangggg ttagttcccc ggg 333
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<210> 2778

<211> 251

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2212

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tattntaaag aaaacaaacc caagantggc ttctggctga nttagatcag aggcattggc 180
tcttacagac taagagtttt tnaaggattc aggggtgggag antttatcag aggcttggac 240
ctgnttctnt g 251

<210> 2779
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<212> DNA
<213> Homo sapiens

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2213

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<400> 2779
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taa 63

<210> 2780
<211> 495
<212> DNA
<213> Homo sapiens

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2214

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acccttctcc actgcctcaa taattaagag cacagaaaca gatgtcctga gtttgaatat 120
gaaccatgac atcttttagct atttnntctt tgatatgaat tcccatacct ataagaatag 180
tgtttacctc aagggatttt atgagaatta ttttaggttt aattttattg atgaggcctt 240
tacaagaaaa gaaactcttt tgtatttggc tgatgtttcg gttcagttta gaattcagca 300
gaattttctt taattttgtt aaagtncaat acgtattagt gttaangctt ggtacgtgta 360
ttaccccata tggtnntagt ttaggactta cataacagtn tactggcatt tatataagtg 420
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aaaagncatc gnaaa 495
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<210> 2781

<211> 114

<212> DNA

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<220>
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aggtggctnc agtnagtnaa ggagaggaga tnttgaaggg aataacgggg cggg 114

<210> 2782
<211> 398
<212> DNA
<213> Homo sapiens

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2216

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<220>
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2218

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ggntggggnt gcnacggcag ggcccagccg ggaacagctc aagggtgacc tggatgattt 180
ggtggccgct nagtgtttgt actgtgggga gctnatgac cgctctatcg accggccggt 240
natcgacccc aagcgttacg aggtnggagn agctcatttg gntgtaggag ggtnttnacc 300
ttttaatggg ggggtggcaa tggggagcat ggattaaaac ccattgaaaa aggctgcctn 360
ctaagttctt actcaataaa cttgcaantt nncacacn 398

<210> 2783
<211> 112
<212> DNA
<213> Homo sapiens

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<222> (82)
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<220>
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<222> (109)
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tggccgctcgt tttaacaagt cntgactggg aaaaccagg ggtcgcctna ca 112

2219

<210> 2784
<211> 438
<212> DNA
<213> Homo sapiens

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2220

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<220>

2221

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<220>
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2222

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<400> 2784

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cctccaaatc ttaaaaaggt ttgaatgaan aaattacacc tttgaaagct gaccttccat 120
cnagttgggg aaaaacaaaa gcaagcaagc ngggaaagcc cgaanttccc caaaagttcc 180
cattggcnta aatttttttt tgaaccacna gttggggaaa nccnggggttc attnggantg 240
ccntnttnaa ccctgnaaaa nttttccnng gnttcnatt gaanaagttc ttttggccct 300
ttaaaaaaan gaaaaaaatt tanaatttna nccccanttt cctnaaaaaa ttttncccn 360
ccctttcncc cccctgggaa atctttggtt taaaatttaa tttggncttt tgggggggggt 420
ttgggggggaa aaaattttt                                     438
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<210> 2785

<211> 72

<212> DNA

<213> Homo sapiens

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<220>

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<222> (17)

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<222> (37)

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<220>

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<222> (53)

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<400> 2785

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acaattcact gg                                             72
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<210> 2786

<211> 417

<212> DNA

<213> Homo sapiens

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2223

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<220>
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<220>
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<220>
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<220>
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<400> 2786
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tatggctgga gctcacacca cgaagctctt ggggcctgat ccttctggtg acacttcact 120
tgtcccattg gttaacatct ggggtgggtct attacttact gtgatgactg ctgtctcagt 180
gggcatgggtg ttgatccacg gggttactgt gataaccacc atggatacat nttggtggcc 240
cactgggtac tgtnaggact ggctacattn aatggatgtt attggctaata cactgcatg 300
gtttgatggc caccatctcc gttggggcct ttgggttttn atgggtgaat agcatttcana 360
ttnacatctt cctttttggcc cccccccaat aaggtnngctg ttgccactt cntttt 417

<210> 2787

2224

<211> 508
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<222> (309)
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<220>
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<220>
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2225

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<222> (457)

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<222> (463)

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<222> (466)

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<222> (469)

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<220>

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<400> 2787

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agggatactg	atggttgtga	anactgtttc	aaatgattgg	atctttggaa	agcttcagcg	120
tgccttagtt	tctaggatca	gaattanttt	tcctctcact	tgggccttgc	agctaaatgg	180
agaaatgttt	caatttcctt	gaatacttgg	cacatttcaa	taantccttt	cccgagttat	240
aaccactcna	gggggggagca	aattttgggat	gggattttacg	actttcacan	ggcattgtga	300
gggaaaganc	atttttccca	aaggcntgtt	ttttgaatta	ccccctnggg	gtgaatanaa	360
caattgnaac	ccctccccac	actttacctt	ttgaacaatt	ttcacaattg	cacctgggta	420
cttccataat	ttccccctc	ccaaaattcc	gtttccntat	ccongnttnc	nggccccatc	480
cccgggggaa	atcctaaagg	aaaaataa				508

<210> 2788

<211> 154

<212> DNA

<213> Homo sapiens

<220>

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<220>

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2226

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<220>

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<222> (84)

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<400> 2788

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tatttggaac acngacnadc ctanccttgc cntagttgga ctatctttat nctttcatac 120
ctccccccgc cctcttggca cttcggcaaaa actg                               154
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<210> 2789

<211> 99

<212> DNA

<213> Homo sapiens

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2227

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<222> (26)

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<222> (81)

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<400> 2789

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ctagnactag ggacatcccc ngggtgtgac gcgaatatc 99

<210> 2790

<211> 116

<212> DNA

<213> Homo sapiens

<220>

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2228

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caattcactg gccgtcggtt tacaacgtcg tgactgggaa acccaaaagn nngngn 116

<210> 2791
<211> 117
<212> DNA
<213> Homo sapiens

<220>
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<220>
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2229

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<220>
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<222> (107)
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caattcactg gccgtcgtn tacaacgtcg tgactgggat naccanttc ttccctc 117

<210> 2792
<211> 418
<212> DNA
<213> Homo sapiens

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2230

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taactccctg atagtttcct gagaaagctt gcatgagtgg taaatgtttt agactttgca 120
tatctgaaaa tgtctttatg tttccctcat acttgattag taatttgagt aaagaatctg 180
gttggaataa atttttctat agaattgtac tttgcctcca ttttacttca ctttccatt 240
tccagtgttt tgctgtttgg gtaaaactga ttccattcca atttcctaata cccttggnca 300
naactgcttt taccctgaa aaaactttca aggtntcctt ccccttttat ncctgggaat 360
tccctgaaaa tttccctnat aatcctgccc ttggatgggt ttttcctttt tncntgcc 418
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<211> 217

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<222> (47)

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<220>

2231

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tgacttcngc gttacacagt tactaaattg ccaagctcgg anttctctgg gacagggaaa 180
tctggangaa aaccntaac ttggattctg aatatchn 217

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<220>
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<220>

2232

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cataaagctg atttctaatt ttattagata ttacattatg aaaatttact tttaggtatt 120
tttgggtatt ttgattaaat tgacatagct gtgataaaaa aagcaataaa tggacaagtt 180
gtattgataa ttatttgctt catnctgac tatnattgtn aacctgtaca tncaattnac 240
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<210> 2795

<211> 437

<212> DNA

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<220>

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<222> (393)

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<220>

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<400> 2795

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ttctcaagcc tgcttgggtt ccctttgctt cattctcagt ggtgaatact tgttctctaa 180
gtggtggcaa gatgggctcc agcagctact ggtgtccatg ctccctcaag cttgtgaacc 240
agaatccctc catcaccaca tttccagtct cttggtggga ctggatttgg actgttttat 300
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2233

atgtgtgtct gctcttgac caatcctgta tgggtgccat gatatttcat gcaagtctgg 360
gtctgtnttc cattttccat gaancccccc tnnngaata atttattttt tacaaattcn 420
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<210> 2796

<211> 415

<212> DNA

<213> Homo sapiens

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2234

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ttaaaaaacgt ttgaacatag tagaaaatgt aacagtgttg ctcttagtgt ttctcatata 180
tagggaataa aagaangt tttataatag cacttgcttc acaagattta tgagcgattt 240
gaattttaca gatctattcc taagcaaaag accttaagtc tttttttttt tnccttaaaa 300
aaaantaaca attactttcc gttctgttgt atcgtgcctt ccaaaaanat ttgcgctgcn 360
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<210> 2797

<211> 449

<212> DNA

<213> Homo sapiens

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2236

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2237

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2238

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<220>

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<222> (433)

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<400> 2797

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ggccaaccca agggccnaan annaanaagg naaaaaaaaac ctttgggttc ccaaattccc 180
anngnaaagg atttggnaaa aaccaanaaa aggncccaan agccgccttt aaccaacgg 240
naaaaatttg gggggggaag caaaagacaa tttntttct tggggcaaaa attccnccaa 300
ttccttggn accaaaaaaa ggnggggctt aaaattnatt tccttaagga accttcctta 360
ccaaanaggn aaatttttaa anaaccacat attttttacc anagngaaaa aaaaaanacc 420
angccccttg gtncanaaaa aagttgngg 449
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<210> 2798

<211> 447

<212> DNA

<213> Homo sapiens

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<220>

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2239

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<222> (93)

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<222> (98)

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<221> misc feature

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<220>

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<222> (120)

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<220>

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<222> (137)

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<220>

<221> misc feature

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2241

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<220>
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aatcattntn tccttantnc tgactatect agntccengg ttntgccctt tgtcctgaan 120
caactcaaca accaaanact aancttaatn acgtaggcat tcttcagaac gntccagng 180
naaaattagn aaaaccgggc ctgaaactta ttcentggcc cggccnatca atccctnagn 240
tccctgcaaa cgacccctcc necatgccc tnaacgacna tccctttntt accattagac 300

2242

aaggacggga aggggtccaaa acggannccc cttcccccttt tacccaatnn aagattcaga 360
tntggggggcc acccaaattg gggtancttg gaaannctta ccggaagggtt acacccgaac 420
ttaccgggcg aggacttaaa atctttc 447

<210> 2799

<211> 124

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<220>

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ggaaagttct anatcacttt cttatacaag catgtggaaa gtntaaggat acaatccnaa 120
tata 124

<210> 2800

<211> 193

2243

<212> DNA
<213> Homo sapiens

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2244

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<220>

<221> misc feature

<222> (162)

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<220>

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<222> (171)

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<222> (182)

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<400> 2800

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cggnttaaaaa gcccttgcnt tgggggttcc caaccttggg cccgaaaaac cggggccccct 120
ttggnnttant ttttnaaggg ccggcgggtn anaatttcca anggaatttc naaaaccttg 180
gnccgcaaaa gcc                                     193
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<210> 2801

<211> 103

<212> DNA

<213> Homo sapiens

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<220>

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<222> (37)

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<222> (50)

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<222> (81)

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2245

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<210> 2802

<211> 443

<212> DNA

<213> Homo sapiens

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<220>

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<222> (50)

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gaccgcgggc tcacccagtg ttagaaatct cgtctctgc tacccttggc gccttgggtgc 180
tgtttttctg acgggtcattt agaccgtgga gggtttagatg ttctctacaa aaacgagaaa 240
cctctctggt ttttttaggat ttagaggaccg aaattatttt atggctcggc gggaagtagt 300
atttcttggc taatttatta ttagctttta accttcaccc acttnacctt ttaaaccttg 360
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ttgcttctga gtggatcttg aaa 443
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<210> 2803

<211> 448

<212> DNA

<213> Homo sapiens

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2246

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<220>

2247

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attcccaang naaattggna acccanaagg naaaaaaaag ngggccttgg gcccttgggt 180
ttaacccttg ggaaaaagg tttatannag agcccaaaaan aaccanaat ttaaccctt 240
gggaaaantt ggccttcctt gggttaagnc cccttaaaaa acttcccaa aaaccantcc 300
ccttccttnc ccaataattg gggaatccca ccttggggct tggggacaaa aaactggcac 360
ccaantttgg ctggccttcc aatntttatt accttccaat tttttccact tgggtgtcca 420
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aaaaagcatt gnaaanaaaa attttattaa ancccanag ggccaattaa aattaattan 180
ggccacaagg ggaacttnaa accccccct taattaacc cttttccttg gcnanttana 240
atttgaaatt ttaaaacctt aagcnaaaaa attnanacct tttttggcca anagggggaa 300
gaaagacccc aaaagggcct ttaaagngaa ccccccccg gaaaaaacc caggaaccgn 360
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tccccccacg gggggccttt ttntttaaaag aagggnntna aattaccnaa accccccaaa 180
ccctttgaan naanaaggaa tttccccttc ccccccaang nggggggggg gccc aanccc 240
ccaaattttt tggnnaaaaa aaanttcccc cctttgggna aggatttgca aattgggttt 300
ggccaaaggc cnttggnaat tnccaacaag gcaaccnttg ggggaaagg n aacc caaaaa 360
agcttggggg ggaanacccc aaggccggaa aangccccaa cccggccttt ggcctttgga 420
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<213> Homo sapiens

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cgngaatttt cctgnggggg gcccagnngn aagagttaaa gnatgtctaa tcctggaaca 180
aaagnctttt ccctgggggtg gttcaaacc actttggcca atcatgtttg ggtccagatg 240
gctggggccc ctggcctggg gggtcttatt aggaaattgn agccttcctt ttgntcntgg 300
aacgnctcct tgtttgggcca tccccctttt cttccaatca agcctttggt agccaagtac 360
ctgggggaac ctggcatccc tgggtgggaaa aggatgggga ggnaacagna tggacatctt 420
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<213> Homo sapiens

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ccaaaaaggg ttttaaccca anggnaaatt tggnccttt ccnttnttn tttggggaaa 180
ccntttnttt aaatttnggn aaatttnggn gggggggggg gttttttnaa atttgggntt 240
ttcccccccc caaanggntt ttaaanaaga aaaccccccc cccaaanttt tttngggggg 300
gaaaaaaaag gnttttccca aaaaaaaatt ttgggncccn aatttttttt ttaaaaaatt 360
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2265

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acnattcaag gccattatc tcttttgagt tagaaaagcc caatggagag ccactcacgc 180
aaatcaatac ccttttccttc tctcagttgg gagccagaca tctcttaacta tcctctgaat 240
taaactggat ttttnaaatg tttttctgtc cctnaactct ttggatcctg aagtcacct 300
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2266

tgggcatatg

370

<210> 2813

<211> 54

<212> DNA

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54

<210> 2814

<211> 99

<212> DNA

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<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

2267

<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<400> 2814
tgctcgtagc tncctctat taanggaaca aatgcnggct nctccaccga aagtggcggc 60
cgttctagaa ctagtggatc ccccgggctg cagganttc 99

<210> 2815
<211> 545
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (319)
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<220>
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<222> (320)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)

2268

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (438)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (452)

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<220>

<221> misc feature

<222> (463)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (476)

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<220>

<221> misc feature

<222> (504)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (518)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (538)

<223> n equals a,t,g, or c

<400> 2815

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acagaaggta gccagattg tttgagaact gctgacatcc acagatcctc acagttaggt 120
taaaaattgt tgaaaaggca ctacttgagg aatgtgctgt gtttctgctg catgtgtgat 180
cagaangcag ctgcagctta tgaaccagaa aaataggggt agtggctaag taaaagggtgt 240
gtggagcaac cacaaaatga ttcaggggta tacttctccc aaaggacggt aaaattaaat 300
cgagaacaaa atcaaactnn naagaanaaa naagtatctc cagtacatat tgtgggatca 360
cagctacaaa agcattagat ggtaaaatta tcttttcctg ctttttgtgt tttaagatnt 420
ctccccgttc caatgttntt ggccctgggca cnggaattat acncctacaa ttacanctga 480
aaaattctgg ttatcactca tggnccttgac atgcaaance tccttttcac atattgantg 540
ctaatt                                           545

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<210> 2816

<211> 118

2269

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
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<222> (8)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (36)
<223> n equals a,t,g, or c

<220>
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<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 2816
angctcgnta natcccctat tataaaggga acaaangcgg gccnctccac cgaaagtggc 60
ggccgttcta gaactagtgg atcccccggg ctgcaggaat tcgncacgag ttnnatc 118

<210> 2817
<211> 351
<212> DNA
<213> Homo sapiens

2270

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<400> 2817

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gccagatttg gtcccaaagg atacgactgt tagcaaaaac caaatttacc tgctaaagga 60
tgagctatatt aaaaggaatg tgtcacttgc tgtgtaactg cattccaaca aggagttaca 120
taaatgtttt gagacagcag catctttgga gtaagtgcc a gcctccaga ggaaccctgg 180
taaagggaag cagtgggtctc atttggatat gcaggttctt gcatttttgt tataaaatct 240
actctccttt gaagttacct cttgtattgt aatctctata ntaatccatt ctgtatttca 300
gacataaatt ctctttttct gggccatcct tcctatctgt gttcacaaat c 351
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<210> 2818

<211> 238

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (125)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2271

<222> (130)
<223> n equals a,t,g, or c

<220>
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<222> (136)
<223> n equals a,t,g, or c

<220>
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<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
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<222> (199)
<223> n equals a,t,g, or c

<220>
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<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<400> 2818
tgcgcgttng cgtnnctect taccaaagga acaaattcgg ctccctccacc gaaagtggcg 60
gcennttctag aactagtggg tcccccgggc tgcaggagtt cccacgagc agcaaaacaa 120
cnacnaagg n tctgtntttg cagaggggtc tatcatgctt ttaagaaata agaagagtac 180
cgganagaaa ttcnatnng acattagagt attttggatn tcnttaaact ttgtccat 238

<210> 2819
<211> 113
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2272

<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<400> 2819
gcggcacgag cggcagcagg gggggcccgg tacccaattc gccctatagt gagtcgtatt 60
acaattcact ggccgtcgtt ttacaacgctc gtgactggga ancccaaacn nnn 113

<210> 2820
<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

2273

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<400> 2820
nttccccacc aacagaagga actattaant tcaatgtttg ggaaacagcc cgggcaagga 60
agaaattccc gggggaatga naaaatggta ttatttccca accccatntn ccntccta 120
gtttgaantt ac 132

<210> 2821
<211> 106
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 2821
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt ttacaacnt cgtnactggg aaacccaaag annnat 106

<210> 2822

2274

<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<400> 2822
tgntnttaac tcgtanggca aagtaactca ctggtggggc gctctaaata gtggatccgg 60
gggctgcagg attcggcacg agctcntgcc canctccgtt anatacnacc acctgcttcc 120
tccttgcnat cc 132

<210> 2823
<211> 101

2275

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
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<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<400> 2823
gctcgtgccc ggtacccaat tcgccctata gtgagtcgta ttacaattca ctggccgctcg 60
ttttacaacg tcgtgactgg gaaaaacccc aanngnnaat n 101

<210> 2824
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
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<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

2276

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<400> 2824
gctcgtgccg aattcggcac gaggtttttt tttttttttt tngggnccttt atttgntnaa 60
ataacnctaa 70

<210> 2825
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
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<220>
<221> misc feature
<222> (22)
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<220>
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<222> (38)
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<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<400> 2825
cctattcata naccgggact tnggtgctca taactgcntg gtggacatag atctctnctg 60
tgaaaatata tcnacttttg agtgaccagg tcatgttctt ga 102

<210> 2826
<211> 308

2277

<212> DNA
<213> Homo sapiens

<220>
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<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
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<220>
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<222> (34)
<223> n equals a,t,g, or c

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<222> (35)
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<222> (62)
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<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
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<220>
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<222> (146)
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<220>
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<222> (149)

2278

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (176)

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<220>

<221> misc feature

<222> (178)

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<220>

<221> misc feature

<222> (246)

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<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<400> 2826

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gctggatggt gctactgnca acagtnagtg ttcnnggtga ctgctactgc tgtgcaatgc 60
tnagcgccac atnccatggg accacgtgtc ctttaataaa catattcagn gtgcgcttat 120
ngaactcatg gcttctaaag cacaangant atgtttcaaa catagtgtga tctctnanca 180
ccatttggtta gcctccatct gctcagtggtg attcctacca agctcactta tgaccggatt 240
atattnaaaa aagcttccac ctgaaactta cctganactt tctcttctct gtttataaat 300
cctaaatc                                     308
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<210> 2827

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (220)

<223> n equals a,t,g, or c

<400> 2827

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gagtattaat actgtgctgc attagagaag cctcttccat gtgggaaagc tgcttgcaat 60
ttcagtttct tgtgtgtatg cctatgtaac tgagtgttta aaatttcttc aaaaactatc 120
aaaacagaag cacacagaag tacacctatt aggcgaggat atcgttggtc taatcatcta 180
tcctgggact ctgagaaatg agatggaagc tggtaatgan gatggaatgc aaatttgatg 240
ctttttaaca tttttcacca catttcccaa acttcttgac cctacttctg tttttaatgc 300
atggcacaaat cttgaaccc                                     319
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<210> 2828

<211> 113

<212> DNA

2279

<213> Homo sapiens

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<400> 2828

gcggcacgag cggcacgagg ggggggcccgg tacccaattc gccctatagt gagtcgtatt 60
acaattcact ggccgctcgtt ttacaacgtc gtgactggga aaancaaann nnc 113

<210> 2829

<211> 283

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

2280

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
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<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<400> 2829
gcaccaccgt gcggacacca cccctgcaga atcatctgtg aaaacaaccc cangcccaga 60
catangggcc aactaagctt cgtagccctc gaaatacngg gagtgcccc tctggaccct 120
cgagcccaca gtccatccac cacanagggtg tctgtgtctc atcagatagt tctaccaag 180
aaaatgctgt gtgaacccat ctgtgtggca aaccggcacg gggaganagc tgacttccaa 240
ngacgtctac canctgtcac ttngaaacca gaactgggct ctn 283

<210> 2830
<211> 101
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

2281

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 2830
gggggtnttt ctancaacta gtggatcccn cgggctggat gaatgcggnc cgagttatgg 60
ganagttcct catccgctc cttgctcgcc ggagccgcca c 101

<210> 2831
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<400> 2831
gctggtgtgg aggcagttgg gagctgtggt cctttggtcc ccagactccc cctgaatctg 60
ctgtctgcgc gttcattgat gtcccttgc tatgccatgt gctttcacia gccgttctg 120
ctgcctgcag tgcccttttt ttcatctctg agcctgacga gcttctgact gtagactctg 180
tcatttcctt caggatgcct gccccatgtc cttgcagttt ngtcttctct gtgctccctt 240
aacccttagc aaatatcact agaataggat ttgtttttta aatggcgaaa gcctacttac 300
ttaactgtat taattcagtc tttcagtata cacttattta ttttttaagc tcttataacc 360
aggggcttag agagatgttt cagtaaagaa actaggaaat tagtagttag gtcnctata 419

<210> 2832
<211> 159

2282

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<400> 2832
caatttctntn ccttgtttac gtaaattttg aaagattgca tgatttcttg acanaaatcg 60
atcttgatgc tgtggaagta gtttgaggaa catcctatga nttntcttaa aatgtataaa 120
ggttgtnncc cctccatctt caaataaaaa aatgaccnc 159

<210> 2833
<211> 130
<212> DNA

2283

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (106)

<223> n equals a,t,g, or c

<400> 2833

tcttgtcgaa tgcncctana cttaaaggga acaaaagctg gctcctccac cgenagtggc 60
ggntnctcta gaactagtgg atcccccgga ctgcaggaat tcgncncgag ccatottcca 120
gtaattcgcc 130

<210> 2834

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

2284

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<400> 2834
gtaaatntaa tgggggggttg gatttgaatt tngtanaaan gggtttgggg gncgncccc 60
caaaaaaatc nttttttttc tcggagttan tgggatcnc 99

<210> 2835
<211> 326
<212> DNA
<213> Homo sapiens

<220>

2285

<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<222> (218)
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<222> (226)
<223> n equals a,t,g, or c

<220>
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<222> (229)
<223> n equals a,t,g, or c

<220>
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<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<400> 2835
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2286

agaccgagct agactggaag gggtagaagg gcattcaggt agggacacag cctgggcaaa 120
ggggccctga nctttggcag ctgcgggaag atgagcccac ctgaaaggga agctgcattg 180
aatncagtca ngacctgggc tgtagggtc acctctanac agcatnacnc aaagggttng 240
gggggtctcc tncgggcctt aataaaaggc caaaattttc caccgttcca gaaatncggg 300
ttgccncttt aattggaaac caccce 326

<210> 2836

<211> 104

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<400> 2836

gcggcacgag gggggggcccgtgtacccaatt cgccttatag tgagtcgtat tacaattcac 60
tggccgtcgt tttaacaagt cgtgactggg aancncaaaa annn 104

<210> 2837

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

2287

<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<400> 2837
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cacagcaagt tctggggctc atttttgagc caattcttgg tagaagggtg gggcatccca 120
gttcttaaaa ggatttccta tgcaganatt gtcattgtca tcctcaccac cagaagacca 180
gcattgatta ttttatcctc ctttttgcaa atgttccatc ttggaccaca ntgattttac 240
aaaganaact taaaaaangc ttgaaatccc aaacttcttn ntttcacaaa aactaa 296

<210> 2838
<211> 96
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<400> 2838
gcggcacgag gggggggcccgt gtacccaatt cgcctatag tgagtcgtat tacaattcac 60
tggccgctcgt tttacaacgt cgtgactgac cnnaaa 96

<210> 2839

2288

<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 2839
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atgtggggaa tataaagata ttataaagga agatttattt tttaaattaca atttttgaaa 120
gttataatag attctgtagt acattcaatt gtcattaacc actgggtttc ctctgtaata 180
tttgtctatc aaatgatcaa ttttcaattc agatgaatta tcaagaatac attttttttaa 240
aaaacatcna aaactataaa aaataaattt cttgaaaaca ttgcatcctt gtttcntatt 300
aaaccntngg cttaataaat aaaaagtgan attggcca 338

<210> 2840
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

2289

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<400> 2840
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ttccaagtat gtcaatacta gatatcactg gccacagagt ttgggacat agtttgtaat 120
ccttaattca tgtagagta tctgagttta ttcattctgag tgaatttaga aactttactt 180
tgaagctgaa ttttcattat attcaggcgg ttgtngaatt tttttctgaa agtctaattt 240
nnttcttaat tntgaaaata ccaatagtgt cttctataaa tgcacttata aaatattgta 300
cnc 303

<210> 2841
<211> 98
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<400> 2841
gcggcagcag ggggggcccc gtaccaatt cggcctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttaaacgt cgtgactgac cnnnaaaa 98

<210> 2842
<211> 60
<212> DNA

2290

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<400> 2842

gctcgagttt tttttttttt tttggggggt ccaaaatttt atnancnttt tnnaaaaaaaa 60

<210> 2843

<211> 360

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

<220>

2291

<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<400> 2843
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taattccttta ttgacttttt gccctaaatt gctagggtgtg acccagcaat cttttaggaa 120
gagatttttac agtggtgctt tatTTtatatc aataatccag tatagttagg ctgttcattc 180
ctcataatag antacataac agaaaattgg actttcacat ttTcatattt agccttccca 240
tttaatccca aaatctctgt attctcatct naaaaaagat cccattcca attatggtnc 300
caacccctt ggtntaanat taaattacct ttattanttt tcttaaacad ttggaatttg 360

<210> 2844
<211> 176
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

2292

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<400> 2844
nccggctcgag gctggaanag gatcttgggc gccgccagtc tttaacacca attggtgtaa 60
ganttgaaga cctacttcac agtagttctg tggacaatca caatgggaan ccaaggaagg 120
gtctgtcctg tttcgggctg ctgcncgctn tggctgtctn ctgccattca ggtcnt 176

<210> 2845
<211> 111
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

2293

<400> 2845
gcgggcacgag gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tgcccgctcgt tttaacaact cgtgactggg aaaccaaact tncnccnn c 111

<210> 2846
<211> 272
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<400> 2846
gggnaatctg gggttttgta aagcacgtta gttcagatatt gaaatttaag ataacgtgac 60
tatcctggac agagggtgtc cagagcagat actgcattac catattactg gtgttaacag 120
tattcacctt ncttaatggg aagcctaccg gatattttct taagttgcct ttataaagca 180
acttaatgtg atcagttctt ccgaatgggtg atcagttatt ttaaatatct tctttgatnt 240
ntgccccttt ncccttntgc ccnnggaaaa ca 272

2294

<210> 2847
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<400> 2847
cccccccccct tttttttggg aaaattcncc tatccgnccc cccccccctt tttntttccc 60
gnaaaaaanaa aatttttttaa naacccccgc cttcccna 99

<210> 2848
<211> 540
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

2295

<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
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<220>
<221> misc feature
<222> (298)
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<220>
<221> misc feature
<222> (308)

2296

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (337)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

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<220>

<221> misc feature

<222> (385)

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<220>

<221> misc feature

<222> (389)

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<220>

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<222> (391)

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<220>

<221> misc feature

<222> (395)

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<220>

<221> misc feature

<222> (407)

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<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

2297

<220>
<221> misc feature
<222> (414)
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<220>
<221> misc feature
<222> (423)
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<220>
<221> misc feature
<222> (437)
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<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<400> 2848
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caaacgcctg agatctgtcc ccactccagt gantttccca gggcgagggc gcctgtcaag 120
gcgagaaaga aaagcangcn atggtganaa agttatgaga ggtangaaag aagatactga 180
aacactgaag gtggaacccg tttggacaca gtnnaaggaa agcctcagaa ttagcatgan 240

2298

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ggaaaaggaa aagaaacgaa tttccagaat tgttttgcat tnccttttgg ttaaggcncc 300
agggaatngc cattgaaaaa cccccctna aaaaaantnc tttaaaaagg gcncncncnc 360
attccccctc tgggcccccc ttttccccnc ncccntaaaa aagtttnatt ttnnttcccc 420
cgnaaaataa acctganaaa atttccccctn naaccnnggg agggcccttt aaattttcca 480
atttaatttt nggnnaaaat acctttttga ataccceaaa acctttttaaa aaaaaaaaaa 540

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<210> 2849

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (326)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

<223> n equals a,t,g, or c

<400> 2849

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gtggagctcc aagcggaaac cgcgggagcc gagcccagct aggaatgcag acctcctgaa 60
aaccaagccg aggactgcgg ggtccggtgt ccacgcanag tgtcagcttc ctctggtgca 120
accagcaagt cttccagtat gaatcccaca gaaaccaagt ctttacacag gggaaaggaa 180
aggaatgaga aattaatttt attaatggaa accttcgctg aaaaaaacct tctactgaaa 240
aatgttaaac acaaaactgga aatatctgct taggacctta gaatgctgta aaaacagaa 300
ctganaagaa ntcacagtcc accaantgtg ctgtggttca tganaaaaaa atcccagaaa 360
ggaaagccca nagaac 376

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<210> 2850

2299

<211> 76
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<400> 2850
gttttaaataa atgcntctnt attanatacc cccnatttaa tatataangg actgaatttt 60
tgcctattat gtgccc 76

<210> 2851
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)

2300

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<400> 2851

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ggggggggccc ggtacccaat tcgccctata gtgagtcgta ttacaattca ctggccgctcg 60
ttttacaacg tcgtgactgg gaaacccaaa annnntntt 99
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<210> 2852

<211> 118

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<400> 2852

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gcggcacgag gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tgggcgcgtgt tttacaacgt cgtgactggg taaaacccaa ntnntctttt nttncccc 118
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<210> 2853

2301

<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<400> 2853
gcggcacgag ggggggcccgtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt ttacaacgt cgtgactggg ancccnaaaa 100

<210> 2854
<211> 50
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<400> 2854
ggaaagcgtc caactgcttc natatnaacc tgtaacatnt cctgccnagc 50

<210> 2855
<211> 132
<212> DNA
<213> Homo sapiens

2302

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<400> 2855
taacctcact aaaggaacaa aactgaactt ccaccgcggt ggcnngggccg tcntaaaatt 60
attggatncc ccngggctgc aaggaattcc ggaacaacca aaaatggcgg aagttcaagt 120
tctgggttgc nt 132

<210> 2856
<211> 130
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>

2303

<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2856
gcggcacgag ggggggcccg gtaccaatt cgccctatag tgagtcgtat tacaattcac 60
tgccgctcgt tttaaacgt cgtgactggg aaaacccaaa cnttttcatt cccctntat 120
cntccnacnc . 130

<210> 2857
<211> 631
<212> DNA
<213> Homo sapiens

<220>
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<222> (18)
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<220>
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<222> (20)
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<220>
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<222> (154)
<223> n equals a,t,g, or c

<220>
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<220>
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2304

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<222> (480)
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<220>
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<220>
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<220>
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<220>
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<222> (607)
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<400> 2857
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aatcaactaa cctcaaaaca aatgataacc atacacaaca ctaaaaggga cgaaacctga 120

2305

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atctcttttat tactaagtta tccctttaaa tcantttttt aatttggccc aacaaactta 180
aaaccctccc tccggggaaa ttccctggg cccttccaac ttccaatttt ttaaccaacc 240
caaaacccca acccccacaa acctttatatt cttttatattt aaaaaccct ttaaagnccc 300
caattgnngg ggccaattc cccccccct ttttaanttt gaaaaaccgn gggggggggg 360
ccccaanttt ttgaaatttt tatattgggg gggttttttt cccggccttt ccttataaaag 420
aaaattttta aaaaaaaant ttgccccct taaagcccc ccaccttttc ctttttaaan 480
ccaaccanna ngggggaaca acccctttac ccccccccc ttttattccc ccccataact 540
tanttttatt taattcgaaa aaaccattta agccntactt ccatttccaa acccaattaa 600
gcccttngg cggtaacgcc cttaaccgcc t 631
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<210> 2858

<211> 207

<212> DNA

<213> Homo sapiens

<220>

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<222> (19)

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<220>

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<222> (32)

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<220>

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<222> (37)

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<220>

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<222> (52)

<223> n equals a,t,g, or c

<220>

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<222> (97)

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<222> (102)

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<220>

2306

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<220>
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actgttgacag aactgttcga actcctaatt caatgtnacc tngnttttaa tcgcagcaac 120
cctctccctt accccttgnc cgcccacgtt tttctcactc ttccggggtg tgnaaataac 180
tctccancc nntggtcctt tccacaa 207

<210> 2859
<211> 105
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>

2307

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

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<400> 2859

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tcttccctc tggccagtgg gtnggtcacc agagcactgt gctgtgggcc catcttggtc 60
tngncttctc ancggcacgg tggaaaggcc nagctcttct aaatg 105
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<210> 2860

<211> 301

<212> DNA

<213> Homo sapiens

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<220>

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<222> (16)

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<222> (36)

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<222> (44)

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<222> (67)

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<220>

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<220>

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<222> (125)

2308

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<220>

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<222> (141)

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<220>

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<222> (143)

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<220>

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<222> (159)

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<220>

<221> misc feature

<222> (164)

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<220>

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<222> (166)

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<222> (167)

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<220>

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<222> (187)

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<220>

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<222> (196)

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<220>

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2309

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 <222> (200)
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<220>
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<220>
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<220>
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 <222> (301)
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 ggctgcngga attcggcacg agcggaacga acaagccttt gttatgaatt ttantcatta 120
 cattncaaag tgaaattttc ntncatgatt ctattggcng ttananntag aatntcagtt 180
 actgtantgc tcacannggn ttcttgana acatctgccc gtataactaag tcccnctct 240
 gctgcctaga aaactgaccg ggtctcacc ctcgtgaaaa tcttggtgnt ctacgaagtc 300
 n 301

<210> 2861
 <211> 159
 <212> DNA
 <213> Homo sapiens

<220>
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<220>
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2310

<222> (30)
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<220>
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<220>
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<220>
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<222> (145)
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<220>
<221> misc feature
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<400> 2861
ggggggggcc gcttgggggg ccgggggggnn ccggcatnan aattaaaaga aaaaacntta 60
aagtttgggg ggaaattctc tcccccccg gggggggctt gggcaaagg gggaaaantt 120
tcccgggggc naaacggnaa agggngggaa aaaatccnt 159

<210> 2862
<211> 115
<212> DNA

2311

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

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<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

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<222> (62)

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<220>

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<222> (87)

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<220>

<221> misc feature

<222> (108)

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<400> 2862

angtactggg gacacattca acattctctt tggctatcaa caccntaaa ccgncacca 60
tnggctcagg aattaatggg gctcttncta cggctgtatg caagggcntc tcgct 115

<210> 2863

<211> 185

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (15)

<223> n equals a,t,g, or c

2312

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<222> (21)
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<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
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<222> (65)
<223> n equals a,t,g, or c

<220>
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<222> (133)
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<222> (151)
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<220>
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<222> (153)
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<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
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<222> (185)
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<400> 2863
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tctanaataa tggatcccc gggctgcagg aaattcggca cgagctaagg ctcaggggtct 120
cacctctcag atnaaggctc tgagttcata nanccctgnt ggatctcctg gtttttttct 180
gacan 185

<210> 2864
<211> 105
<212> DNA
<213> Homo sapiens

2313

<220>
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<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
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<220>
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<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<400> 2864
atcactcaaa naaattacaa naattttatc ganctctatc cctaaaactg gggtagaag 60
cccaaaaggt tcaacaccan aatatatntt attatcaacc acaat 105

<210> 2865
<211> 99
<212> DNA
<213> Homo sapiens

<220>
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<222> (9)
<223> n equals a,t,g, or c

<220>
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<222> (11)
<223> n equals a,t,g, or c

<220>
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<222> (19)
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<220>
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2314

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<220>

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<222> (32)

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<222> (36)

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<222> (40)

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<222> (86)

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<400> 2865

ggggggggnt nattactcna attccgngcc gngggnggan ggaaagctgg actccaccgc 60
cgtggcagcc gctctaaaac taatgnatcc cccgggctg 99

<210> 2866

<211> 121

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

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<220>

<221> misc feature

<222> (20)

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<220>

<221> misc feature

<222> (26)

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<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

2315

<220>
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<222> (85)
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<220>
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<222> (117)
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<220>
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<222> (118)
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<400> 2866
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caacgtgcaa cttccctacg gatcntccct taatcccggc tcacccgata ccatccnnct 120
c 121

<210> 2867
<211> 405
<212> DNA
<213> Homo sapiens

<220>
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<222> (93)
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<220>
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<222> (133)
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<220>
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2316

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 <222> (295)
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<220>
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 <222> (367)
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<220>
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 <222> (391)
 <223> n equals a,t,g, or c

<220>
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 <222> (395)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (396)
 <223> n equals a,t,g, or c

<400> 2867
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 ctaattacta ttactcacag atgaccaatg atnaacatta taccctTTTT attaataggc 120
 gacaacctgg tanagctttc agagacattc ctgggggtttg agcattgggc tccatagcac 180
 tgnaatacta caatatagaa cctttaacgg agctgttnaa gttctgaaac tttactttat 240
 cagtaaaatt antatggtaa tgcatacttc agagttgtca tgactatgaa tgatngagta 300
 tgaagtccta gaatgttgtg ggacttnccc taaatTTTT cattttccct tctctcctat 360
 tactaanggc atctactacc attgtgtgat naaannaaat gaaac 405

<210> 2868
 <211> 428
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (20)
 <223> n equals a,t,g, or c

<220>
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2317

<222> (264)
 <223> n equals a,t,g, or c

<220>
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 <222> (308)
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<220>
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 <222> (331)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (360)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (391)
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<220>
 <221> misc feature
 <222> (398)
 <223> n equals a,t,g, or c

<220>
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 <222> (417)
 <223> n equals a,t,g, or c

<400> 2868
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 ccttgagaga gtttccaggc cattgcatag gggaacaggg aatcctcacg ggagcctgtt 120
 ggatcccttg agttgaggga gatggagctt agagtctagg ggatataaag gtacctggga 180
 atttgctggt cagagaggga gagagaggag agagctgcac agaaagcaaa ctccagagat 240
 ttgcagaaga ttctcttgg agtnttcaac atagtatgca actaatgttc ataggggcat 300
 cctacctnag gtttaggggg aactataccc naaaggatag aaggaatagt gccttgcacn 360
 cccataggac tgaaagaaag tgactatttc ngcccgtnc a gactggaaaa aaatctncat 420
 gattccct 428

<210> 2869
 <211> 202
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (10)

2318

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

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<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

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<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

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<222> (182)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (200)

<223> n equals a,t,g, or c

<400> 2869

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gggggggtttt attnactcta atgccccctcc tttaatggaa aaaactggac tccccgcct 60
ggcggacgct ctagaatagt ggatcccccg ggctgcaggg aattcggcac gagcctgagc 120
tccctgtctc tcctcantgg acatcgtctg naaaccttg ngtggcaatc cctgacgcac 180
cnccgtgatg cccaaggaa ac                                     202
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<210> 2870

<211> 446

<212> DNA

2319

<213> Homo sapiens

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (175)

<223> n equals a,t,g, or c

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<222> (243)

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<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

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<222> (307)

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<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (381)

<223> n equals a,t,g, or c

2320

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<400> 2870
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ccgcaaaaaga gtatgccnca tctatgactg aaagaagaca gagctacaat gtccctccgt 120
cctgttttaga aaaagaatgt gactacggat cagattttgt ccagttgcca gccgngagtc 180
acctgggcac ttagattacc tgattacgat tactcctccg attgtgacac aactacacac 240
atntatgttt ctcaaaattc tcaacagatn ctcaaaccct ctcggaaca gactatcgac 300
taagaantct cctcccattt ggctcctaaa cctcgctccn tcatcacatt tcacgtatnc 360
cgttcccgtt ccncccaaac ntaggatgga acnccctgcc ctgnttcccg gccctaggcc 420
cttttatatt cncgccaaaa aaaaac 446

<210> 2871
<211> 252
<212> DNA
<213> Homo sapiens

<220>
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<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

2321

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<400> 2871
gcttanagtc tggttgccaa acagatttgc agatcaagga ganccagagt ttcaaagaac 60
gctagtaagt ctctgagatc cttgcactag ctacatcctc aggtagagaa gatgcttcca 120
gaacatgcgg ctgctcctat tgcgagctgc ctggccaaaa cagatcctgg tgattctcat 180
gagaccactg tgccnggatg ttacacacag ccatgctatg tnctcggaac tgagacngtn 240
gacnaccat tc 252

<210> 2872
<211> 116
<212> DNA
<213> Homo sapiens

<220>
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<222> (54)
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<220>
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<222> (55)
<223> n equals a,t,g, or c .

2322

<220>
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<222> (63)
<223> n equals a,t,g, or c

<220>
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<222> (116)
<223> n equals a,t,g, or c

<400> 2872
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tcnaggagta acttgatgtg agcagtatca acctgtgtta gatatcatac tgttgn 116

<210> 2873
<211> 104
<212> DNA
<213> Homo sapiens

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<222> (96)
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<220>
<221> misc feature
<222> (101)
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<220>
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<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 2873
gcggcacgag ggggggcccg gtaccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttaaacgt cgtgactggg acccnaaaa nnnn 104

<210> 2874
<211> 330

2323

<212> DNA

<213> Homo sapiens

<220>

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<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<220>

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<222> (211)

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<220>

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<222> (289)

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<220>

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<222> (293)

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<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (323)

<223> n equals a,t,g, or c

<400> 2874

ttcggcacga gttcattctg agtactgtgg cagccctggg aagtttgtac acagaggata 60

ttgtcatttt ggaaagaccc ttggctgctt agtaagaagg cttcaanagg cagaaggaca 120

2324

gactacgaag ggctgcttca gagtccaatt aagaagagag nctgggcatc aaaagaaaga 180
accggattgg tggctgtatc ttcatcccnc nttaagcag tggagatcct gaccagattc 240
aaacacttgg cactatgaat cctctctcca aaaattaaac acagttatng cctgtccnc 300
ttatcccaac ttgagncagc gcnaccagtc 330

<210> 2875

<211> 226

<212> DNA

<213> Homo sapiens

<220>

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<222> (23)

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<220>

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<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

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<222> (65)

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<222> (74)

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<222> (80)

<223> n equals a,t,g, or c

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<220>

2325

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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (147)
<223> n equals a,t,g, or c

<220>
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<222> (165)
<223> n equals a,t,g, or c

<220>
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<222> (186)
<223> n equals a,t,g, or c

<220>
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<222> (197)
<223> n equals a,t,g, or c

<220>
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<222> (218)
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gccagactac gctcttccgg tanaacgctc ccggcctgac anaccatgga gctgcactgg 60
anccnttcac gtgntgttan ntgacacaat ngctctaaaac tgtctagtnt ataaacgtgc 120
aanaatgtcc cacacaacac gcgttgnatt cttttgaatc atgtncgata atggatcagt 180
atccancctg acccccnacc agaagcagta atgccagnct gattca 226

<210> 2876
<211> 382
<212> DNA
<213> Homo sapiens

<220>
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<220>

2326

<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
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<220>
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<222> (195)
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<222> (208)
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<220>
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<222> (226)
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<220>
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<222> (255)
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<220>
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<222> (279)
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<220>
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<222> (332)
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<220>
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<222> (350)
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<220>
<221> misc feature

2327

<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<400> 2876
gttatganga accattgcac atttttttct gaaacagcca gtcaagcaga nattaatctc 60
caatgcaagg ctgatctatt tatcattttg gaggtgggta ctttattctt cttcgtcacc 120
ttttcatgtt cccccggatc tattagtttt attttttaga tactccatat nacatacgtt 180
tatgctttaa tacantgctt taaaaganat ggacattgtc tgctanaatt gatttagtct 240
atanatatag aaatnatcac gggttattca aatttctana tcctgtgtcc attataagta 300
ttaagcactg tcctgctatt tatatggata cngtcccaga gtccttcagn ccttaaagan 360
tgatttttnc aatttgcatt cc 382

<210> 2877
<211> 357
<212> DNA
<213> Homo sapiens

<220>
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<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
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<220>
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<222> (221)
<223> n equals a,t,g, or c

2328

<220>
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<222> (232)
<223> n equals a,t,g, or c

<220>
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<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
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<222> (327)
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<220>
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<222> (352)
<223> n equals a,t,g, or c

<220>
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<222> (354)
<223> n equals a,t,g, or c

<400> 2877
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ccaggtaaaa naaacctgga ngtaagcagc ccgggggttg catgacagct tcagggtcat 120
caagtccttg ttttctcttg acctattctt tgtcaaacct ggagtaagtc cttgtcctca 180
gggtctaata cagctgccat gctccancta tcacattcca ngtttagcaag anttgaagag 240
aagaaaaagg tatgcctttc ctttttaaag gacagtgcct gacctaacac ttctattcca 300
aaaatcactg ggcnanaacc ttaggcnttt ggccccagcc ctactgccaa ananatt 357

<210> 2878
<211> 103
<212> DNA
<213> Homo sapiens

<220>
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<222> (3)
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<220>
<221> misc feature

2329

<222> (13)
<223> n equals a,t,g, or c

<220>
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<222> (15)
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<220>
<221> misc feature
<222> (28)
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<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 2878
ggnggggtatg atncnccttc aattaacncc taaaggacaa aacggacccc cgcgngggcc 60
gctctaacta tggaccccg ctgcagaatt cggcacgagg ggn 103

<210> 2879
<211> 104
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (101)
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<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

2330

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 2879
gcggcacgan ggggggcccgtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt ttacaacgt cgtgactggg atccccaaaa nnnn 104

<210> 2880
<211> 237
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (36)
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<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
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<220>
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<222> (55)
<223> n equals a,t,g, or c

<220>
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<222> (62)
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<220>
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<222> (69)
<223> n equals a,t,g, or c

<220>
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<220>

2331

<221> misc feature
<222> (71)
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<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
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<220>
<221> misc feature
<222> (76)
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<220>
<221> misc feature
<222> (95)
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<220>
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<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<220>
<221> misc feature

2332

<222> (142)
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<220>
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<222> (144)
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<220>
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<222> (178)
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<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
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<222> (226)
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<400> 2880
ggggcgccgg ctccaagccc cgggatgaga atcctnggct actntatcct cncetngaagc 60
gnggctacnn nnnncnngagg aagtggggaa gggcngactt gggacctgng gtgtctgatg 120
ttnaagnn gtn gtgatcactg tngnacatct gtactcctga aaatgtcagg aatcaganct 180
cgtgactgta attgtcgctt cgttaccgac accngactct ctatcnagtc catctct 237

<210> 2881
<211> 99
<212> DNA
<213> Homo sapiens

<220>
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<222> (6)
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<220>
<221> misc feature
<222> (16)
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<220>
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<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2333

<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
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<220>
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<220>
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<222> (48)
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<220>
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<222> (64)
<223> n equals a,t,g, or c

<220>
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<222> (87)
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<400> 2881
tggggncatc gtgctnttng gaaccaggnc cctaaaanaa taaantanac tcacccggtg 60
ccgncctct aaactattgg atccccnggg ctcaagaat 99

<210> 2882
<211> 253
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

2334

<220>
<221> misc feature
<222> (203)
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<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
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<222> (230)
<223> n equals a,t,g, or c

<400> 2882
gaanatcgaa aggagaaaaa aagccgagat gtagtctcta agaaagagga acgtaagcgt 60
acaaaaaaga aaaggaacaa agccaagaaa ggacanagan gaaatgcttt gggaccagtc 120
tattctttgga ttttgaactt tcaaattggt tctcccaagt taaattgaaa aatagtgaga 180
cttggtttta tgaatcgtgt tcntacactt tcttantnat nggtcctttn ctcctaccaa 240
ggctattaac aat 253

<210> 2883
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)

2335

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<400> 2883

gctagtctcg aggggggggcc cggtagcccaa ttcgccctat agtgagtcgt attacaattc 60
actggccgctc gttttaaacg tcgtgactgg aaccnaaann nn 102

<210> 2884

<211> 135

<212> DNA

<213> Homo sapiens

<220>

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<222> (9)

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<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (100)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

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<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

2336

<220>
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<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<400> 2884
ggggggggng ggttgatacn cgtcaattac ccntaaagga caaacggact cacggggggg 60
cgctctagaa tatggacccc ggctgcagat tcgcagagcn ggagtagaga nancnctttn 120
ccctgagtgc catgt 135

<210> 2885
<211> 101
<212> DNA
<213> Homo sapiens

<220>
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<222> (88)
<223> n equals a,t,g, or c

<220>
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<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<400> 2885
gcggcacgag gggggcccgg tacccaattc gccctatagt gagtcgtatt acaattcact 60
ggccgtcgtt ttaaactgcg tgactggncc cnaaantnnt t 101

<210> 2886
<211> 255

2337

<212> DNA
<213> Homo sapiens

<220>
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<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
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<222> (19)
<223> n equals a,t,g, or c

<220>
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<222> (20)
<223> n equals a,t,g, or c

<220>
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<222> (32)
<223> n equals a,t,g, or c

<220>
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<222> (101)
<223> n equals a,t,g, or c

<220>
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<222> (103)
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<220>
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<222> (107)
<223> n equals a,t,g, or c

<220>
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<222> (122)
<223> n equals a,t,g, or c

<220>
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<222> (124)

2338

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (144)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (169)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (191)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (249)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (253)

<223> n equals a,t,g, or c

<400> 2886

tcncccaatt	ancaaaaann	tcaggctgtg	tnctcaggat	aaccgattgg	gaaacagcag	60
caccaggggtg	gcaaaaaccc	aaactcacct	cttggggattg	nancacnaaa	ttgcaatcaa	120
tnanttttccc	tgcggattac	tgcntgagga	atttgcatta	ctgnctccnt	cggggggttcc	180
ccacgctcga	nactcatgtc	cgtgtagacc	cattctcata	tatcgcgcca	cgcggaac	240
tatatgtgnc	tcnca					255

<210> 2887

<211> 193

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2339

<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<400> 2887
gcggcagcag ccttgccccg gagaactcng gagataactg tcacganctc ctctgcactg 60
gtccggaatc gtgaacagct gcgtctctcc ccaaaaaatc tacttgaagg tctggaaaaa 120
ttcctccac taatacctgc tncatgaaaa aacgggttct cctcctcngc cnagcncccc 180
tcnaaaataa ttt 193

<210> 2888
<211> 281
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2340

<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<400> 2888
gaaaaaatcaa gcggctggaa gagaaagtct ccagagtcgg antgaggtgg aatatacccg 60
ggaccaaact cagcaccact cgagcctgca aaccttcctg ggangacagc agccaatgcc 120
ctccctggga atgctccac tgtgctgtga agaactgatt ttggtttttc accactctgg 180
atcgaatatg ctcnctcca cctctcttga tncacctggg ttaactatta tactcatntt 240
tctttttgtg ctctcaacca tntcaaataa tcnaacctcc c 281

<210> 2889
<211> 273
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<220>

2341

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<223> n equals a,t,g, or c

<220>
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<222> (148)
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<220>
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<222> (159)
<223> n equals a,t,g, or c

<220>
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<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
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<222> (268)
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<220>
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<220>
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<222> (273)
<223> n equals a,t,g, or c

<400> 2889
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ttactgggca aatattattg cgagcgaaga aacncttacg nttatattct gaccattagg 120
cacttacana gaaaacatac aactcttnaa tatttgacna actggaagac tcatacttct 180
ggtgctaagt tgcaactgcg ccatcttttt ctagctgtcc gatccatcnt ttaattgaat 240
ttaaggtgta tgttcgatac aaacntanan tcn 273

<210> 2890
<211> 155
<212> DNA
<213> Homo sapiens

2342

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
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<222> (38)
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<220>
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<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
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<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
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<222> (107)
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<220>

2343

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<222> (109)
<223> n equals a,t,g, or c

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atagngattt tagaaaaagan ttgaanggat gttgttttta caattangna agcacagaaa 120
gacacaaacc ccagacatct agctctccac gtaca 155

<210> 2891
<211> 216
<212> DNA
<213> Homo sapiens

<220>
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<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
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<220>
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<220>
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<222> (52)
<223> n equals a,t,g, or c

<220>
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<222> (64)
<223> n equals a,t,g, or c

<220>
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<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2344

<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<400> 2891
gaaaacacta mngtgcttct ttaatatacc aaaattancc caanacttga cnaaattaag 60
catncactgg gagcttaggg aaccaatcct tttagtgcc tattaatgag gtaaatatca 120
cagcccatcc atcttaacaa agggatatnaa aatgacgatg tgcatgtnt gtgatgccac 180
aaccctatnt atnagaatnt atactaaaga aaaaat 216

<210> 2892
<211> 410
<212> DNA
<213> Homo sapiens

<220>
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<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
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<222> (220)
<223> n equals a,t,g, or c

<220>
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<220>
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2345

<222> (377)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<400> 2892

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atatggatcc	cccgggctgc	agaattcggc	acgacggcac	gaggcaagga	aaganaaaaa	120
ttataaccaa	gcataatata	gcaagactaa	cccctatacc	ttctgcataa	tgaattaact	180
agaataactt	gcaagagagc	aaagctaaga	ccccgaaacn	acgagctact	aagaacacta	240
aaagacacac	cgtctatgtg	caaatatggg	aagattatag	taagcacaac	tacgagctgt	300
gatactggtg	tcaagataat	ctattcactt	taattgcca	aacctcta	ccctgttatt	360
tangttgtcc	aagaganngt	cttgacctag	aaanctgtta	aatnaaattg		410

<210> 2893

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

2346

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<400> 2893
gggggggggg gggttgatac ccntcgant taaccctaa aggacaaacg gacccccgcg 60
ggggccgctc taactatgga ccccgggctg cagaattcgg cacgagctca gactgggaag 120
accaggcaca atgataaaca tactggctgt tgtggtgaca atgaccaatt gagtgtgtga 180
attggaagca agtagtgcaa gagtgaatat tggctgaaat tctagctatg gctatgattg 240
acaagggaac cgatggaaat cnttgccatt antgatgacc tgatcacnaa tttatgattc 300
atantcaacg ctgaactgct ctaaactcnt gatgtttaag gt 342

<210> 2894
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
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<222> (58)
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<220>
<221> misc feature

2347

<222> (69)
 <223> n equals a,t,g, or c

<220>
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 <222> (129)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (133)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (149)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (210)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (231)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (245)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (261)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (276)
 <223> n equals a,t,g, or c

<400> 2894
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 ctgctgatnc catctcggac tacgtgtata catcatcaac gaattgtgtt caactgctgg 120
 gcttctggnc ctngactcca ctgccgggnc atgctgacga cccgggcatg ccaaagaatg 180
 cactaagatc accagattac gttagctggn agtgttacat gcccaatctg ngctcagcca 240
 cgaancacat gatttgtagc nctcgaaatg acacangtcc 280

<210> 2895

2348

<211> 158
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2349

<222> (158)

<223> n equals a,t,g, or c

<400> 2895

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nctaaagaan annactggac tccccgcggg gcgcgcgtct anaatatgga tccccaggct 60
gcatgaattc gcacgagcat gctcgtgggc ccaataactc tgaagcgggt ggcattccna 120
cattgganct ggattaatta ccngtgtgta tntctttn                               158
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<210> 2896

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (268)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (420)

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<220>

<221> misc feature

<222> (425)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (443)

<223> n equals a,t,g, or c

<400> 2896

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tattaatgta ctaagggatt ttgtttgaaa tacatcattc tttctaaagt tcatatattt 120
```

2350

```
gttactaaga taggaaattg tgctaaccct tgaatattct caaggactta aaaagtgtgt 180
atagagtaca ccagtggctt ttttgccctc ttatttgccc actgctctca tgtttttttc 240
atagctgttt caaaaaatat tcttgatnat tatggcatgc tctttttcag tcatcaatta 300
aaacttttga aaaacatatn ttacatttgt gggaaggatt ctgaaaggag cattggggta 360
cttttantag tgcctaattg cctcttgtga atgacactta attattnctt acccacttan 420
ctatnttatc agattcttct gantctatca attcc 455
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<210> 2897

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (205)

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<220>

<221> misc feature

<222> (239)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (309)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

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<222> (366)

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2351

<400> 2897

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caaaaaggag tcaaaatctt ataatatgtc acttttacat atttatcata gtagtttggt 120
ttgttttggt ttagatgatg caaaattgag gggccttgca gccccagta acctttctat 180
ggaatcagac tcttgaaggt .catantggtg atccattcaa tttcttttaa gtccatgtnt 240
ggaatggtat ttangcattt aggaaattcc cctacttgat gccagaaaat gtccaccatt 300
tttaaattna tggggnaata tttaccaggt accagaatgc ncctttggaa tttaccaant 360
ggggan                                     366
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<210> 2898

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (247)

<223> n equals a,t,g, or c

<220>

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<222> (257)

<223> n equals a,t,g, or c

<220>

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<222> (319)

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<220>

<221> misc feature

<222> (343)

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<220>

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<222> (360)

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<220>

<221> misc feature

<222> (368)

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<220>

2352

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<222> (390)

<223> n equals a,t,g, or c

<400> 2898

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aatattcttt gtccatttac gatgacccgg aatttcacac catctgctgg acgtgaaatg 120
aaaccagaa agtgaaagg gaagagacga cggctgcag gcttcagggc ccagccgtgg 180
gccaggtcc atgtggctgc tgccttcctt ttcctgctg tgcgtagcct cctcttctct 240
gaccggttac cccgcacccc cctcctcatt ttcctcccct acttttccca aggggggttct 300
ccacttttat tttgggatna acttttcctg gggggaaaat ttnggttggg gtttaccn 360
aaaaccanaa ggcacttttc cagccattgn 390
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<210> 2899

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (211)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

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<220>

<221> misc feature

<222> (219)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (222)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (277)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

2353

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

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<220>

<221> misc feature

<222> (386)

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<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<400> 2899

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aaggcacaac tctgatgttg aactgcaagt ggatcatggg ataaactggg ttttacttta 120
atacataata gtattttcttc ctcatgttttc ccctttccta ctctcagatt cctttgttgt 180
aggtggggccc aaanaaggac ccaccccaact nttccnggna tnccaggggg aaaacccggg 240
ggtggggcgag gaaaaaatag gccaaatgat tgctgangaa aatcatggaa aatccacagg 300
ataagaaggt tcctcncctt cttacttttt ggctcccccnc ccattaaaac tcaaaaantt 360
ccccccccc cttaaatcct ctccncccg gggangnaaa aaaaaaattt tagtggaggg 420
aat . 423
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<210> 2900

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (59)

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<220>

<221> misc feature

<222> (189)

<223> n equals a,t,g, or c

2354

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
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<222> (340)
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2355

<220>
<221> misc feature
<222> (342)
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<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 2900
aatttttgaag gctctctccg caagcctctc aattggaagt ccctggctgc cttgagcana 60
atttccgtta atgtctctaa ggaacttatg ctgtgctatt tgattaaacc ctctactatg 120
actgacaagg aaatggagtc accagaaatg tttgaaaagg attaaagttc aggaggtgat 180
tctgagtcna tnggtttctt cacgagagag gagtgancca agannaatct ttaacaattc 240
nacctcgaaa tttctaattt caaccnaacc aaactatttt atttgaagag ggctanggtt 300
caaaaaagtn cctttnttag tttgttaaat ccctccccc tnaaattcca ataaagtttt 360
ttttaaaagg ggcattgngtg gtcccccca gcaaccagn aaanaactta tcccgattgt 420
ttt 423

<210> 2901
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>

2356

<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<400> 2901
gttttcctgc acaaagcctt gcttttagag aatgcccaat aaggcaagaa aaagcatagt 60
aacttgtgct ttgagagctc aatatttgta tcttatcagt acagaagaaa tattttctgtg 120
taacttgatc ttctgtctag tacttgtcct ataggtaacc aacactgaaa actttgtagt 180
gatgactacc aaagaaaata catagtaaaa caacctttta tttccaaatt gttaaagagc 240
cagccattgg atgctgctac atganttcca tgctcaagan ccattgttag aaattaangg 300
gtttctaagt ttttgggtga nttnt 325

<210> 2902
<211> 312
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
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<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

2357

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

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ctggtctana anagttggag aagaaagata caggtcttgt ttaatatcca tttcatgttc 120
agctctcaaa atattcatTT aaaagaatct ggaatgtaaa agtaggtgtc tattcatacc 180
aaattcagaa ctntctccaaa attatatcca acccagtatt ttaaaattct ctgaaaaacc 240
anaaataaat atctccnatt tgaaaaaatg aacttacgat ttcanggnnt ncagcattcc 300
attagaaaat ac 312

<210> 2903
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
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2358

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2359

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<222> (397)

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<222> (404)

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<222> (414)

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<222> (425)

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<222> (431)

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<220>

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2360

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<220>
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<222> (533)
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cattgtccat cttgccaaag actgntgttt gtgattccag ttttcagtgg cttttcagca 120
tcccatacang cagaanacca catttgtctt cantactccc ctccagctgg accgttaggt 180
gtttgtttta cagtcccttc tccatacggg tttgggatgg ccctaaancca tccagttcct 240
tgaacaacat tgtgcttgac acaanaattg aacatnaana tctccttggt gctancctgc 300
actgcatcct tgttttaccaa attntcccan ggncttnttg aacccccaaa aaagttttta 360
aattcccccc ctttttanaa aaaacaattt tttcccnaaa attnccccct gttnaaaaaat 420
nnaancccca ntttttnnggg cccccaaaaa aatccaaaaa aaaaaacccc ccttnttttc 480
cccccccggc anttttttnn ttaaaaagggg ggaaaaaatt cttctcccca atntttctt 538

<210> 2904
<211> 367
<212> DNA
<213> Homo sapiens

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<220>
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<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

2361

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<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
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<222> (366)
<223> n equals a,t,g, or c

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ttgtgtttgt caaatatgaa tacatttatc aacttagtga aaaataactt gattttctgca 120
tggaaaatat ccaaggttat atatcactat tcctttactc tagagaaggt catttagttt 180
tatgtaaata tgtggcagat ctcagtttca gtgacttncg tgctccanct ttaaaaagtgt 240
ttttgaatgc ttggaaggaa aatgtgatat tcanagagag caatatcttt ataagttaag 300
tttccttgaa tgaatctatg ttgattacnt tgaataaagt tgaaatgccc agtttttttcc 360
ccnncnc 367

<210> 2905
<211> 55
<212> DNA
<213> Homo sapiens

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<222> (21)
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<220>

2362

<221> misc feature

<222> (48)

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<400> 2905

gctgganttt gcnctntctc nctgtcatgg ccatgattcg cggtaanaa gcaaa 55

<210> 2906

<211> 238

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (183)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (193)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<400> 2906

gaaaaagtag ctgagatatt gatttctggc atgacagagt gaggagggtg atgaaacctc 60
ttcccaaaaa aacagctaga aagctggaag aaaactgtca aaaacatcca tttcagctcc 120
ctaaaaattg accaaatata tgcaataaat tgagacgcat ttgttcatga aaaactatta 180
nnncctgggt tangaaccag aacaatcttt gggnttcctt gcctatcatc actccctt 238

<210> 2907

<211> 105

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (101)

2363

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

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<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<400> 2907

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tggccgtcgt ttacaacgt cgtgactggg aaacccaaaa nnnnn 105

<210> 2908

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

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2364

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<222> (372)
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<220>
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<222> (377)
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<220>
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<222> (378)
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cttctcagaa tatgacattt tcttggtcac ttctgtaact agcgtccgac cacacatgcc 120
attctgtctt cagatncctg cagttagtgt gctttctccc tcgtttgaac cctgcagtgt 180
ttagtttctg cctctcttat gacatgtact agtgttgtgg gctctgtgtt actctgagcc 240
acattatcca gcgaataatg ttcacattta tcgctaaana aatttgcctc atgccgaaca 300
ctccctcccc tcntgcccc cgccccggtg tttccttttag aaaaggcaag ggaantggcc 360
tttactaatc cncaggnnag g 381

<210> 2909
<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2365

<222> (199)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<400> 2909

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gattaccttc atggatattg aaatgctcaa gaattatgcc agaagtagct attagagata 60
gagccagtga cttaggatat gaaatcttca gaggatggta gaaagagaaa ggtaaattgcc 120
ataagaaatt agagtacttg tggtcattga aaccatggaa ttactccng gggngtgttt 180
atntgagaaa tccaggttnc taaaattttg aaccctaact tttcttttaa ngggga      236
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<210> 2910

<211> 63

<212> DNA

<213> Homo sapiens

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<222> (14)

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<220>

<221> misc feature

<222> (38)

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<220>

<221> misc feature

<222> (49)

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<220>

<221> misc feature

<222> (57)

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<220>

<221> misc feature

<222> (58)

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<400> 2910

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ggttcattta tgantgctgt gctttaacgg tgcctatnat aatcctcana tatcacnnag 60
tca                                                                 63
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<210> 2911

<211> 58

<212> DNA

2366

<213> Homo sapiens

<220>

<221> misc feature

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<220>

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<222> (35)

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<220>

<221> misc feature

<222> (37)

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<220>

<221> misc feature

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<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<400> 2911

gaactagtct cgagtttttt tttttttttt aancntngga cntggatttg attgacnt 58

<210> 2912

<211> 472

<212> DNA

<213> Homo sapiens

<220>

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<220>

2367

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<222> (350)
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<220>
<221> misc feature
<222> (367)
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<220>
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<220>
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<220>
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<220>
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<222> (462)
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<220>
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<222> (471)
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atctttngtc agcacagcaa acttttagaa agtaatagtt ttacttattt ttatcttctg 120
ttttctcttt gtactgcctt gtcttgcatl gtgttccaac acatgagact tactgctcac 180
tgaatttttg agtcttttag aggtaaattg tggactcagg attttttgaa acttggtgtg 240
taactctaaa tcttgatata gcatctttgt tgcttattac atatttacac acacaaccac 300
aaatttttaa cttatgatga aaatttacaa taacctgaaa agatccagan atttttgaga 360

2368

ncatttngta cttgttattc ngtttactaa atttgangtg aaatatttaa aagaaaagga 420
cnttaggaaa tgaaatctcc ccttccaata tccttgaata antaaatgga ng 472

<210> 2913
<211> 73
<212> DNA
<213> Homo sapiens

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<220>
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<222> (16)
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<220>
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<222> (35)
<223> n equals 'a,t,g, or c

<220>
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<222> (51)
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<220>
<221> misc feature
<222> (63)
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<400> 2913
gtaaacacca taccnngcac taggcttaga ggaanaacat gtcagattgt nctgtcactg 60
gcnatgtacc cag 73

<210> 2914
<211> 108
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (54)
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2369

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<400> 2914
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cctggaggaa cagttccaac agtctcctgg aggaacaatn tcctgntg 108

<210> 2915
<211> 99
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (47)
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<220>

2370

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<220>
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<220>
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<222> (95)
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<400> 2915
tacgcgcttt cgaaattaac cntcactaaa nggaacaaaa gctgganctc caccggggggg 60
gggggcgggt nnaaaatnat nggntccccg gggtngaag 99

<210> 2916
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
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<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
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<222> (222)
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<220>
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<222> (251)

2371

<223> n equals a,t,g, or c

<220>

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<222> (254)

<223> n equals a,t,g, or c

<400> 2916

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gctcgtgccg aattcggcac gagtatctcc aggcattcag gcattcagag caacaggtcc 60
tctgaattac tggcctgagc tgcccaccct tcctgtgcag agattgtggt gttatggggg 120
ccctttgcac tccaagtcca gcnagatctc caaacacttg ctgcactaac tctcctgggt 180
ttangaattt aagctggccc tcatgccagt gcanaaaaac tngcggttag gggttttctc 240
aactccatgc nttnaa                                     256
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<210> 2917

<211> 576

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (21)

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<220>

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<222> (24)

<223> n equals a,t,g, or c

<220>

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<222> (68)

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<220>

<221> misc feature

<222> (69)

<223> n equals a,t,g, or c

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<222> (206)

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<220>

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2372

<222> (315)
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<220>
<221> misc feature
<222> (317)
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<220>
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<222> (333)
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<220>
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<222> (340)
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<220>
<221> misc feature
<222> (358)
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<220>
<221> misc feature
<222> (380)
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<220>
<221> misc feature
<222> (410)
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<220>
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<222> (418)
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<220>
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<222> (459)
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<220>
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<222> (462)
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<220>
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2373

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<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

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<222> (492)

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<220>

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<222> (496)

<223> n equals a,t,g, or c

<220>

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<222> (501)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (505)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (533)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (563)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (569)

<223> n equals a,t,g, or c

<400> 2917

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aactgatnna ttctatttga ccagaaatct acttttgtta acattataca taaaataata 120
aagcataagc acatgctaatt ctgaatcatt ttcaagaaaa tgtgtttaa atattattag 180
gtcatattaa atatttattt gtttanttta taaatcatga tgtcttaaaa taacattaca 240
tatgttcaaa aaataacctg gtagaaaaaa tattcttctc tcattacata taaatttgag 300
caaatttaac attgnanttt atgttagcta gtngactctn agatcagaaa gaaaaatnaa 360
aactaagtcc tgaatttttn aactatgggg aaaaattaat cttgattgtn actcacantg 420
ccaccctatc tctgttttgc tttgtcttct cctcaaatna cnagaaatgc cnggaacca 480
```

2374

gactgcttcn cnatnnggcc ngatngtttc accttccgtg gttattaatt ccnccaaaat 540
tgcaaaaatcc cattctggga atnaacctnt ctgcct 576

<210> 2918
<211> 472
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (110)
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<220>
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<222> (111)
<223> n equals a,t,g, or c

<220>
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<222> (112)
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<220>
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<222> (114)
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<220>
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<220>
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<222> (327)
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<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)

2375

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (431)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<400> 2918

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tttgacaagt attatagtat attgatgggt atattaatgc aaagaatttn nntnggaatt 120
gtcctagaaa tatataagat aaagaccgta tgtctaatat gaaccagaac atcactgatg 180
aagtagagtg aaataacntt ttattttccat acatatctgt aactgagctc tctaataattc 240
tttagtgtct gtcaattatc agagaaaaat tttagaatgg tctttatttg actcattaaa 300
atatcctatc ttggaactgt tttaaanctg tttgaattgg tccaanatct nattnattga 360
aatttcnccc tattgtccca aaaacccccg tggtccttta acctttgggt ggaggtgaac 420
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tggccgtcgt tttaaacgt cgtgactggg aaaacccaaa ttntngtncn ntc 113

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gaaagaaaga gaaaaatgag aaanngaaat ttttgaaaaa attatgttga aattttccca 180
attcanatna aaaaacttga tcttcncncc caaaaanctt aatgaactgg ataaacnccn 240
taaaatttnc cctaaaacct nttcccnttt ttttttaaan tctccaaaat naaaaatctt 300
tttggaatat tngggggaaa aaacncccc ctttttgtgg nccccnaaa aaaanngggt 360
tnttttttta accacngggg ggggggnggt ntttanaacn nccccnnaa aaaaaaaaaa 420
ccncccccct tttttttaac cncncncnc aaaaaaaaaa aatttntntc cccaaancng 480
gggggttncc ccaaaccccc nttttttttt tttcccccaa attttttttn c 531
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2381

<400> 2921

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ctctctatac cttaggaagc taccactcat gtagtcaaca aagttaaaaa aaattgtcat 120
tgtcatcagt cttctctgaa cacgtttcat tgacaaccaa gcctgtctct gattttcatc 180
tctaaagttg tcccttgaat atctctctct cttgttagtc ctatggctac tgatgaccc 240
tgccttctcc cactttgact ttgttttaaa gaaaaatttt gaaccaaata atataccagt 300
ttattttgan ccaattacat tccatgaatc cagggcacac tccnatnccc canaaatccc 360
gaaaaccncc gttccaacca ttatgggggg ggggggttca taggggggaaa gttggaaggn 420
gaa 423
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<212> DNA

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gaacattagt gtaaggacaa tgggaagcca ttggcagggt ttatggaaga tgggtgtttaa 120
aatagatggt tctggaagt taagggtggac aatggattaa agttanacac cacactgaan 180
gcatggtgac tatttangca gctgtttagc agcagtctgg acaaggatat atggtttctt 240
ggactaaggt taaatccagg aaaaaaatga atngattgtg ttaccttgaa caatttactt 300
ccccccctg aacctattta acttntttcc ttccngtttt ggcctacctn tcctaagaaa 360
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<220>
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2383

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<400> 2923

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ccgcagctag gcgcgcagga agggctgcac agagtttgaa gacacggcag ctgtaagctg 120
gcgtgaggaa gccaaaggag cgcgcagact gcaagcaaag ggcggtgggg cctgggacct 180
gaattgagtg gncgaccgca gcactcaagg tgccatctgc ctggcctntg aagtgtgtcc 240
ctccaaactg aanaagctat gantcaaggg ttnggacttt atgggaaaaa aaaanaaatt 300
ttattaaaaa                                     310
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<210> 2924

<211> 159

<212> DNA

<213> Homo sapiens

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2384

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cattcaagcc agtacttncc gtaataccta actatggcaa gagtgtnaga gagcaaatna 120
ttctncctaa gaacgagatn ccatgcagga agccagagt 159

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<212> DNA
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2385

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2386

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aaacaaaaca aangaccttt ctctattatc tcatanaata tccaatactg tccttgtgga 180
atattcctaa attcactatg acttttaaca caciaagggt caacattaaa gncgtataa 240
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<210> 2926

<211> 559

<212> DNA

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 ttngtacagg tttatatcac agaccactgt acatncttgt cttccaaggg aacttcaaga 180
 tngaattact tttgactnct cantntntat acantgtnta aaggtnntana acttcaactt 240
 tctcnataat attcaactct tcaatnactc tnccatcact tctacttca atctgaattt 300
 aaactaccgt aaagtctcnn aacttttcct tgaantacta ctaccaggt tcaacttttc 360
 ttctttgtaa atttgtaagg aataaatttt ttacgaacaa tttttcanaa gccttctttt 420
 aaaggaacca atttactccn aattcttctt acnctgtccn taanaaattt ccaataactn 480
 cctgtcaang tttttncctt naagccaagg gacaaaaaac aatccaaaat cctgaacaga 540
 aaaaaaacn tctttttcc 559

<210> 2927
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2391

<213> Homo sapiens

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gtggatcccc cgggctgcag gaattcgggg ggacccccct ccctgaaaaa acagtangtg 120
tgtaaccncn aattaccaa tggctgcntg actgtatntc aaatttaatc ccacttagcc 180
actcaggat                                     189
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<211> 490

<212> DNA

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2392

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<222> (479)

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2393

<400> 2928

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tacactacgt angtttcttc tactgaggaa atttgtcttt catatggtaa ctaggtatga 180
atatttgctg ttgaagcaag cttttcccaa tcttcaagtt gaagttttaa ttagcaaaca 240
atgtttacaa catgtaggcc aagtattaga attttcttgg ggtcactcat gatttatctc 300
catgctatat gtccccaaca aatagtctcc caagaatgga acanccaagg ccattggnca 360
tgtngcaagg tgcanaaacg ggctcancat cctctgaaat ttcgctttgt gaacatatnc 420
ctaacaaact ccaatcnggc catgnttttc ccttgaaact taaaccccca cctgttgcng 480
gggggtnact 490
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<212> DNA

<213> Homo sapiens

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<222> (87)

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<222> (98)

<223> n equals a,t,g, or c

<400> 2929

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ccccgggntg cagggaattc gggngncccc cccctgcnt 99
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2394

<210> 2930
<211> 537
<212> DNA
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<220>
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<220>
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<220>
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<220>
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<220>

2395

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<220>
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<222> (530)
<223> n equals a,t,g, or c

<220>
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<400> 2930
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ttgtactagg tgatataaaag ttcacgtcac ttaaaattca acgactgtgt aagtagctct 120
ttcagctttt cattaagttc attttttgga atgtgcacat ctatgccatc attgggcagt 180
tataatttgg ggatttaaac acctggcagt gattgaccac tgtgactttg cttattccct 240
ttctctcctc agttaccgag ctgataccca gacataccag ccttatnaca aagantggga 300
ttaaagaaaa aatctacgtg ctccttccgt ccgcaggccc aacaagntgg ggaaattaat 360
tgtttttgga aacacttggg ggggggtttg ggttgggctt tnaaaaaaca agttttnttc 420
aacntnctgt tatggaaatt ttgtttcata attatcccggt ttccnctttg ttataccnta 480
ccanaatgac gtttaaataa attttagaac tgttcaaccg aaancccttn cccctn 537

<210> 2931
<211> 458
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<400> 2931

2396

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agtcctaaag gtaattttct catatgaatg gtacatggtg attatatcaa ctgggctgta 120
gaaaatgggc actgatttct caactgtgtt gattctagat tggtaagtga catgctccaa 180
gtatagttga ctgcatttct gatcttgctt tgtttttatg ggaattaaac tcagaatagc 240
ccttcttaat aggtcttttc anaaatttgg tagaagagaa attggtgtgt taatcaacat 300
aagatttttag aatgcatttc tatttcaatt ttctctccta ctaatcctgt tactgtggtt 360
aataatcaat gtgttaataa tgaatatctg ttctttactc tgttccaggg taagacaaat 420
atatatggga ctctgccttt tgaaantact ttagaaat 458

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<210> 2932

<211> 51

<212> DNA

<213> Homo sapiens

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<222> (12)

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<220>

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<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<400> 2932

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gcggcacgaa cntnccccga gtctgtctct tgccanccgg aaatcacnch t 51

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<210> 2933

<211> 436

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

2397

<220>
<221> misc feature
<222> (423)
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tggctgaaac agtcagacct acacctagga gatgagatca ttcaggttca ccgtgacca 120
gccgcgctgg atggatctgg atgtgctact ctcacggttg tcatgaggta atatggatag 180
gctattaaga aagccgtgac gacgcactcc cctgagacac ggtctgcttg ttttgctgca 240
tgtagtaaac agctctctca ctagatctga cagcacttgg tggatgatatt cttttccctt 300
cagactgact gaagaagatt cagaagtact acagcattaa gccttttgct gttaggatgt 360
tataatttgt gtgttttgtt gcataaagat naatttttgc catgttgctg ttaaaaactt 420
ctnaagaaaag gagatc 436

<210> 2934
<211> 239
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
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<222> (86)
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<220>
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<222> (123)
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<220>
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<222> (167)
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<220>
<221> misc feature
<222> (181)
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2398

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
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<222> (209)
<223> n equals a,t,g, or c

<220>
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<222> (230)
<223> n equals a,t,g, or c

<400> 2934
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ttgaaaantt atctgttgcc ttatgncatg ttgaaaattt tagagattag ttgaaaggga 120
atnagaatga ttaaaagtgtt ggaaggctga atttatgaag aaaaatntta aaaaggcaaa 180
ntctaatacat gatcttccaa taaaangtnt gtgggtttggt gggaaaggan cagttggga 239

<210> 2935
<211> 99
<212> DNA
<213> Homo sapiens

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<220>
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<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
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<222> (39)
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<220>
<221> misc feature
<222> (55)
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2399

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<400> 2935
nccctnttaa aaggacaaaa gctggncccc caccgcggnna agcggccgct ttanaacta 60
gtggatcccc cgggctgcag gaaattcggg gacgnncn 99

<210> 2936
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
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<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
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<222> (95)
<223> n equals a,t,g, or c

<220>
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<220>
<221> misc feature

2400

<222> (260)
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<220>
<221> misc feature
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<220>
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<220>
<221> misc feature
<222> (511)
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<220>
<221> misc feature
<222> (546)
<223> n equals a,t,g, or c

<220>
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<222> (550)
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<220>
<221> misc feature
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<220>
<221> misc feature
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<220>
<221> misc feature
<222> (692)
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<220>
<221> misc feature
<222> (696)
<223> n equals a,t,g, or c

<220>
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<222> (697)

2401

<223> n equals a,t,g, or c

<400> 2936

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gtataggcga nagaaattga nacctggcgc aatanatata gtaccgcaag ggaaagatga 120
aaaattataa ccaagcataa tatagcaagg actaaccctt ataccttctg cataatgaat 180
taactagaaa taactttgca aggagagcca aagctaagac ccccgaaacc agacgancta 240
ccttggaaca gcttaaagan cacaccctc tatgtggcag aatagtggga agatttatag 300
gttgaggcga caaacctacc gagcctgggtg atagctgggt gtccaagata gaatcttagt 360
tcaactttga atttgccac agaaccctc aaatcccctt gtaaatttaa ctgttagtcc 420
aaagangaac agctctttgg acactaggaa aaaaccttgt aganagagta aaaaatttaa 480
cacccatggg aggcctaaaa gcagccacca nttgagaaag cgttcaagct caacacccac 540
tacctnaaan atcccaaaca tattactgaa ctctcacac ccattggga ccaatctttc 600
accctataga aaaaacttat gtttggtata agttacattg aaaaacattt ctctcccg 660
attaancctt gcgtccnaag ggataggggg cncganncaa 700

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<210> 2937

<211> 102

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (9)

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<220>

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<222> (14)

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<220>

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<222> (44)

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<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<400> 2937

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ggcgccctna ttanacggct ttccgcttct ttacaatggg gaanttcccc catccccaat 60
ttttttttct ncaaggggc ccaacctaac agtccccttt aa 102

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<210> 2938

2402

<211> 664

<212> DNA

<213> Homo sapiens

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<222> (277)

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<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (553)

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<220>

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<222> (554)

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<220>

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<220>

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<222> (635)

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<220>

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<222> (648)

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<222> (653)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (661)

<223> n equals a,t,g, or c

<400> 2938

gatcccccctt actttcccct ttccatcac gaccatctcc ccaattataa actgactaat 60

2403

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tccaagtgtg aaatattatc tcactaatag atgtattctc ataaaaattt ttacatgttt 180
gcatatacat gtacctgcat cttccaaatt aataacttga tttaaaaatt atcttcagaa 240
aatatcaaag ttcattggaaa ttaattaaat tttttgncna attgcaactt cagccctttg 300
acaaaaatat atagtaaatt cttatttagc agcagcattt aaatactaca acatttcaaa 360
aatcttcaaa gttccacctt acctgtaagg catgtggaaa cccaacttct ccagaaccag 420
acttagtggt caattatctt gaacctccaa ataagtcaac ctggaagcaa gacacaacat 480
atggaaccat ttgcagacca taccagcccc cagatacaat tatctccac ttcaattgcc 540
ttccactgaa ggnnggtttt actaagaata aaatggttct cccttaagca ctggaaaaaa 600
acaatgtttc ctccaaaaaa aaaaaaaaaac ncaanggggg gcccggtnc atnccccctaa 660
nttg
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<210> 2939

<211> 719

<212> DNA

<213> Homo sapiens

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<222> (237)

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<220>

<221> misc feature

<222> (245)

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<220>

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<222> (248)

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<220>

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<222> (370)

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<222> (399)

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<220>

<221> misc feature

<222> (413)

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2404

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<220>
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<222> (633)
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2405

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<222> (641)
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<220>
<221> misc feature
<222> (643)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (646)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (650)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (662)
<223> n equals a,t,g, or c

<220>
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tctttataat gggtgaatag tttgtcatcc tatgaatatg ctgctgttta gattatcttt 120
gctttcttga tagacatttg tttccaggat tttgttcttg gaatagtagc ctttttata 180
ctgtacacat atattactgt atatcagatt cttaaaaatg gaattaccga agcaaangct 240
atgtncantt taaattctga tatatactac taaatgtttc tcttaaaaga ctacctanaa 300
ataaatatta caaatattgg tgagctactg gaatcttaat gaaagacata aagtttagatc 360
tgaattaacn aaatgaaaca atgttttttc tggattgana catccctgtt gtngaattta 420
ctaattttcc cccagtcngt gtctccaatn ttgtnttggt naaaacttga cttttgatta 480
naaaacctac ttaataaatg attccacaaa ttttggaaaa aaaaagccgt tcnggaaact 540
tnttaaaatt ccaatccttt taaacnacc tcttccgga acccggaag tccaaaactc 600
tttctttttt ggcctttatt atttttaacc cctttttttt ncnttncggn ttntcccat 660
tnccatttat ttattcccc cttnccectt aaattaccct tcccccccc ttttggggg 719

<210> 2940

<211> 736

2406

<212> DNA
<213> Homo sapiens

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<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<220>
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<222> (585)
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<220>
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<220>
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<222> (629)

2407

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (645)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (662)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (694)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (710)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (732)

<223> n equals a,t,g, or c

<400> 2940

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ttatncaaag tgggtgacat atttgattat atttcccttt acctccatag tantcaggcc 120
agcagcatgg actgcaagaa cctaagggag caacatactt anctgcaaag tgagcaaagt 180
aattgagcct aggaatatgt gatgaaaatg catggctgat gtttcctgat ctccaaggag 240
actcccattt gctgaagttt tgcattgctta gaaatccact accgcaaaaa atacangaat 300
acctttaagt tgattattgg caatcttatt catatattag caagaaaaag ggagagatgc 360
ttactgggtg atgctataca gtctctctgtt tttaaaagta ccatgagccg ctgtgcccgg 420
cccatttaat actgtttata tgctgcaaca gtgtttgaaa ctgttttacc cacattccaa 480
tgaacttgan aaagcccaaa agaaaatttg gatttttagcc ancaagatta tggatgggtg 540
aaatttcctc ttttagttctt taaacaagtt atctgttcat actanatttc catatctant 600
taaattacta actccatgaa tattttcana tatttccttt ataancattt tctgctgaac 660
cntccctccc gtatgttccc tgtgacttcc aaanaaaaaa aaaaactttt ttttttcttt 720
ttaaaccatt cnacca                                     736

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<210> 2941

<211> 648

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

2408

<220>
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<222> (399)
<223> n equals a,t,g, or c

<220>
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<222> (407)
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<220>
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<222> (579)
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<220>
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<222> (584)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (641)
<223> n equals a,t,g, or c

<220>
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agaaacttat gagtttgaat taaaaaaatt actcttcctt ttcaaataga agcttcactt 120
tgaattttat ttttggtctt tatttcaaaa tatctaaata tatgaagcca tacttgacgt 180
anatttcggt tggatttcgt cttactcttt tctggaattc tgaaaattag tattaaagaa 240
ttccagggtca aaagggaaaa catcttagag gttatttagt ctaattctca agggaaaaga 300
ataattctta gatggtgttc ttaaaacatt ttaacacttt cttatttcgt tgactgcaca 360
aaggagcacc tttatatattg gctgtaatac atccagttna ggcatangga ttgctctacc 420
ttcatattta ttttttaaat ttatcttggg ttaactaaat tagaaatata ctgccattcc 480
catctttggt atcctaacgc aatccaaggg aataacctct tcagtagatc ttaaaatttt 540
agtgtcctgt caaattaacc tcttcaatta atatatgtnt taantttgaa ggcaatgaat 600
tttcttctct ccttctctgt tttttttttt tnaaattccc nttctntc 648

<210> 2942
<211> 526

2409

<212> DNA
<213> Homo sapiens

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<220>
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<222> (24)
<223> n equals a,t,g, or c

<220>
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<222> (38)
<223> n equals a,t,g, or c

<220>
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<222> (63)
<223> n equals a,t,g, or c

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<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

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<220>
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<220>
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<222> (187)
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<220>
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<222> (204)

2410

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

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 tgcaganaac aaaaaaattc ccnctttttt atttttttaa aaccatcctt ncaattttctt 240
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 tctnctttct ttctggcatn antaatntaa anggcgctt ctcnegctt gccatttcta 360
 cttnccttagt naaacatgac ctntgcgtga atggaatagt ctggaccctt tggtngggga 420
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2412

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tgttcatctt ggtttgtact gaaatgttta acaatttgga atgtgaaatt gctacacgta 180
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attgtttact tggtttgatn ccaatcccg gctcctccatt atatactgtt tgaatttngg 480
tccacatacc tncctatctt tttnttecta nccttnanaa aagaattata tattantgnt 540
ccncaataaa attttgaaga attaatat ttaaaaattn ccaacccttt tttcaattcc 600
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 acgtagnata agggcttctg nancccanaa tatganacan tttcccncc tcaagatcat 180
 tcantgtttt tccttttaaaa aaatgggtcaa tnaagctcct ttggcaaaat cccccnaana 240
 aacaagggtt tctttttccc atccctacc cttctgggaa ttttttaacc cccctttcca 300
 acnacttccc ctattcctac cctggccctt ttttctagga atccttagaa gaattaaaaa 360
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actcttaaca anctggaaaa ctttccatat tgtgttgatc actaattatc tctcttgctt 240
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tctgatntct nattaccaac tgatctncaa aatgggtcagt atttagatng tctccctttc 240
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tattttcatca atatgttcat nttcaccttt catcttttcc atnacccttt ngaatatcgg 360
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tgaaatgtat nctcaggata accatactaa atcattggga tntttgaaat tatntaaaaa 360
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aatttntncc taanaacttt tccttttnacc cncctttaa at tcnccccc an tgcncccgga 180
ttcccatnan tttgggtgca aattcncctt tnaatnattt tgggnccctt tngtntaatt 240
nttncecccc ctncctttngg gctttttttt cctgggcctt ttntttttaa catttttnact 300
aaaacttttt tnggtttgna nctcnnantt ttnacccnac ttgggtttgt tttntttggt 360
tnnggttngt ttaaacncct cgganatatn ntttttttna naaaatttna aaaattttgg 420
gnccttattt cttaattcat ttttctgccc ctngncntc ctttanaccc cttangcntt 480
tttgggtaaa ttcccnttcc ccnggtnccg ggccttttnt ttttccntc tttccccccc 540
ccttccccng tnttnttctt aaaatncccc aacccccaan gtttcccccc aaccncnggg 600
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2435

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tgaaaatcca gccatgacag aaggacttct ccgtgcccga gtaaatagct tatatatatta 180
ttttgtaaat atacacatat atacatttga acagacagac agatctggaa agattaagcc 240
taaaatgtta cagggattct ctctgangag cagtattaaa ggtggttttt taaattcatt 300
ttgtatgtat gaatttccta aattttttgc aatgagcctc ttttactttt gaaaaacatt 360
tttaaaaatt cnccttagca caattaatta tacttttttc tctaccnatt ttgggttcaa 420
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tcacttaatt attttggttg ataattgtct agttagaact tccaaaaga tacttacaaa 180
cataattcac aaatttgaaa taatttctga agttgattag ctatctcata tcttttatca 240
ggtcattttt tatatatgtn ggcacaaaca ataagtatgt tctcttctgt ttgggaaaat 300
aatttggaat aaaatanaaa ttagattatg aaaccaaaaa ctttctcaa tttangcctt 360
atttactcat gactgggtttc tatgcacaag aaaatactaa accaaatata tngtaggant 420
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2437

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<211> 487

<212> DNA

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tttttttaaaa cagcaaattct gattaggaaa ctcanangcc cagggaagcc agtgacttgc 180
cctctggcac cctgtcctga nggtagagct tcctggcaca nggtcagtga gccccgaggc 240
cacctccctg gaagctgcan gaaggtnanc gtngtcnana acaacaattt tcattgtttc 300
atgtgtcatt gcctatttta cgaacttcgc aantgccctc aatttgctta atttactttg 360
gccacccctt ccntnaaaag tcaaantcgt taattccaac tccnccccgg caccgggttc 420
tgcaccngtt attccaacag gctggacaaa aggctaaatt gantttgaaa nccaataatt 480
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tctgaagaag agggagagaa agagaggaca gaaaacagag aanaagggag gtttgcacat 120
ggacggcggc cccagtatcg gagaagcact gacagggagg aagaggaana aatggacgat 180
gaagccatca ttgctgcttg gagacgccgg cgagaanaaa ccaggaccaa nctgcanaaa 240
anganggagg actganctgg ggaaaatctg aaaacactga aagaaaccac tcacgttanc 300
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<211> 393

<212> DNA

<213> Homo sapiens

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2442

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agataagttt tgaaagtatg atttaagaag atatgaaatg tttgtattgg ctatacttga 180
atttttttat tgcaaaaatg tctgattttc tganactggg tttctaacta tttataaana 240
aaattgggtg tgggtctctt ggaaaatgta naaaaaatgt anttgtgtgt tctaatagcct 300
tggccagata gcttgctant ctttattgaa atttaatgta tcctgacatg aataccatac 360
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2443

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caaaataaac ttttatgctt ttaaaaaaaaa ttatggacag aacaatatta gaacaaaaaac 180
ttttatgatt ttccagcttc tggggtttgt ctacggttac cagcagcctt gcccnctat 240
tgtttttatt ctgttccagg ctggctgtta acaaaatacc aataacgggt nnttcttaac 300
aacnttttct anaatttcct gggggg 325
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<210> 2958

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 aaagagcaaa ggctgaatca gggtttttaat ggcctgaaat gaccaatttt ctaaaacttg 180
 acaggttaga tgttaaaatc agacatatag gttccaaaca atcgattgca aaggancact 240
 tgttcaaaac actggctggg aatctgctca tgttgatgaa aaaccccagg gtttaaagtt 300
 aatttnagggt cnttttttgaa tccngaataa cctggctgaa aanaatccca accnaaccg 360
 aaagaaacaa cccnccgga acccttacc cccctttgtg gaaaagaggg tnaaaaattc 420
 cccctttatc ccttgccnc aatttttttc cctttnttt tcttnttttt tnccaccct 480
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2445

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anagataact agtctcgagt ttcttttttt ttttcctaata atcgtctccc tttttnaatan 120
cttattttaat anaacttngtg caaatttaa 149

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2446

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<220>
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<222> (305)
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<220>
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<222> (306)
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<400> 2960
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ggaacaccca ggaatgaaca ggccgggttg ccattataca gatgctgggt gctgaaagtc 120
ttcaactgta aactaggtgg atttgagat tgataggtaa ccccgcttta caatagcatc 180
atcatatcta tnatttaaga atttgtaagg gacagtagtt tcataaaaac tcttggggtt 240
tcccaaatta anaaaaaata aggtcccca aatttattta ttaattttan ggtttttttg 300
ggntnnccg 309

<210> 2961
<211> 531
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<220>
<221> misc feature
<222> (313)
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2447

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<220>
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<222> (417)
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<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
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<222> (497)
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<220>
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<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
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<222> (523)
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atcactagat aatgagtcag tgttttagc atcacatttt acaatttaca gtttttgttt 120
gattctgtag cccatttttc ttgaagggtta gaataagaat cttcttgtat ttgaaaacca 180
tctgccttaa attacattta actacaagaa atggctctct gctggagaaa tttaagcttg 240

2448

tcttagttgt ttggtagtgg ctatggaatg anaagtgttg agtcttgtgc cccttccatg 300
ttnttatattg ctnacttact atattactan ggcctttaat tccagcacag catgtcttct 360
ggtctatgaa aattgtgttg aagactaagg caaatgcctg ttccctgcca ctctccncca 420
naaaatcnta tccgaaaant gactttgaat tccggtcctg gtaaccaaact actgtaatcc 480
tccctttgca atccccngaa ccaaaggcta cgtccccngt ncncccttaa a 531

<210> 2962
<211> 122
<212> DNA
<213> Homo sapiens

<220>
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agtgagtcgt attacaattc actggccgtc gttttacaac gtcgtgactg gaccnaaaa 120
aa 122

<210> 2963
<211> 494
<212> DNA
<213> Homo sapiens

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<222> (177)
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<220>
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<222> (237)
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2449

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<223> n equals a,t,g, or c

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<220>
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<222> (386)
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<220>
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<222> (394)
<223> n equals a,t,g, or c

<220>
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<220>

2450

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
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<222> (473)
<223> n equals a,t,g, or c

<220>
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<222> (489)
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<400> 2963
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cgtacagcgc gcacgtggta ccgcattctc ggcagcggcg cccctaattgc ccagccccgc 120
cctgcttctc ttgccggggc tgaacgggtg cagcattgaa ggttggacgc cgantcncgg 180
cgaattggtc ccttgcggtt ataaacttgg ggcttcccta agggcgggtc ccggatngat 240
gggggcnct cttccacctg caactcccc cagcnaaaa cgcnaaaatt ncacatcncn 300
ggccaaccgc tcncctccgg gtttttcaag gggggcccn gggcaaaaag aacttaanaa 360
ttgttttggg ttttaaaaac catttncatt tggmatgggt ttctttttgc ccctaaaggt 420
ttcaaccgcg ggnntntggg tcattggggc catttttcaa aaaacccnc ccnaattttg 480
ttttttccna aaac 494

<210> 2964
<211> 540
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (16)
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<222> (59)
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<220>

2451

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<223> n equals a,t,g, or c

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<220>
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<222> (137)
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<220>
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<220>
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<220>
<221> misc feature
<222> (170)
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<220>
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<220>
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<220>
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<220>
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2452

<222> (191)
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<220>
<221> misc feature
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<220>
<221> misc feature
<222> (202)
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<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
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<220>
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<222> (247)
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<220>
<221> misc feature
<222> (250)
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<220>
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<220>
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<222> (272)
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<220>
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2453

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<220>

<221> misc feature

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<220>

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<220>

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<220>

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2454

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<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
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<220>
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<223> n equals a,t,g, or c

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<220>
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cgcggtggcg gtcgcncntag aactattgga tccccggggc tgcataaatt cggcangagc 120
tgcttctctt cctggantcc agagtccenn tgctccgtcg ggatattcan taaancnctg 180
ggantcnggc ngtanggacg cngcgcgccc tccccgacg gtanggaaat ccgtngtggt 240

2455

cngcggnggn atcncaggcg tcacttgtgc gnancagtcg gctactctct ttccatcgga 300
agatattctc ttggtcncgg nntctccggt tantaatgaa ttccaaatct cgagcanatt 360
tctatatnt tngaacaatt cgatgtttna ataacantca agttccatgt ttnagaatan 420
gcctncncnc ncatggaagg ttctagaaac ctggcggttaa cgctacctga aaaaaatttt 480
aaaaanactt gcgttnntta cnanaaaat gggcatccac accttttttt taaaaactct 540

<210> 2965

<211> 293

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (235)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (247)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (256)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (257)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (265)

<223> n equals a,t,g, or c

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tatccanaga cttactgagg cttgtactac tcttcaagct ttgtggttta gactttgagt 120
catgaatttc acccttctct gaatgtcttt taaagtttat gccattcttt gaatatggtt 180
cttggaactc tacattactg ctgccaaacc caccagaaa ttttcttatt tgccnagtat 240

2456

ttttttnggt ctttttnnaat tcaanggtca tcattctcca taattttggc tat 293

<210> 2966

<211> 61

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

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<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

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<222> (39)

<223> n equals a,t,g, or c

<220>

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<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<400> 2966

gtcgagtttt tttttttttt tttaaaaaat ngtttaanna aaatcncncc caacactttc 60
a 61

<210> 2967

<211> 187

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (33)

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2457

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<220>
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<222> (177)
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<220>
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<222> (185)
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agctccaccg cgggtggaggc cgctctacaa ctagtggatc ccccgggctg caggaattcg 120
gnacgagtgg caacctggtg atggcagtgg tantggaaca tcctgccttt gcancntcc 180
ctcctc 187

<210> 2968
<211> 432
<212> DNA
<213> Homo sapiens

2458

<220>
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<222> (276)
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<220>
<221> misc feature
<222> (364)
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<220>
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<222> (395)
<223> n equals a,t,g, or c

<220>
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<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<400> 2968
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gtataggcga tagaaattga aacctggcgc aatagatata gtaccgcaag ggaaagatga 120
aaaattataa ccaagcataa tatagcaagg actaaccctt ataccttctg cataatgaat 180
taactagaaa taacttttgca aggagagcca aagctaagac ccccgaaacc agacgagcta 240
ccttagaaca gcttaaagag cacaccgctc tatgtngcaa aatagtgggg aagatttata 300
ggttgaagcg acaaacctac cgagcctggt gatactggtt gtccaagata gaatctttag 360
ttcnactttt aaatttttgcc cccagaaacc ctctnaatnc cccttggtta ntttaacttg 420
tttngtccca aa 432

<210> 2969
<211> 211
<212> DNA
<213> Homo sapiens

<220>
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<222> (11)
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<220>

2459

<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

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<222> (82)
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<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
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<220>
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<222> (126)
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<220>
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<222> (164)
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<220>
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<222> (179)
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<220>
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<222> (180)
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<220>
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<222> (210)
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aatacaatgt natttaaaaa agtatgcgtc ataaaaacct ttaattctat aggnttatat 60
ctgattcaat gatatttagt anagtaattg tcaganagat gtgtaatgta ntaattgaga 120
ctgaanttta taagggccaa gtcacatgtc aatgtgacat gtanagacat atttatttnn 180
aaacttgat gtttctaaat ttgtattacn a 211

<210> 2970

2460

<211> 96
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
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<220>
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<220>
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<222> (65)
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cccgnggttt ctttttttaa acatttccaa gccctt 96

<210> 2971
<211> 157
<212> DNA
<213> Homo sapiens

<220>
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<222> (105)
<223> n equals a,t,g, or c

<220>
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<220>
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2461

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (131)

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<220>

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<222> (143)

<223> n equals a,t,g, or c

<400> 2971

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aaatgagcat tgggatttat ttcagggaac acataagtat tgtantcana ttaccacctc 120
cctncgggaa ngaaggccac atnttgtggg ttttgggt 157
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<210> 2972

<211> 319

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (30)

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<220>

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<222> (37)

<223> n equals a,t,g, or c

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<222> (43)

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<220>

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<222> (50)

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<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

2462

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<222> (61)
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<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
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<222> (69)
<223> n equals a,t,g, or c

<220>
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<222> (128)
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<223> n equals a,t,g, or c

<220>
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<222> (137)
<223> n equals a,t,g, or c

<220>
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<222> (143)
<223> n equals a,t,g, or c

<220>
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<222> (157)
<223> n equals a,t,g, or c

<220>
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<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

2463

<220>
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<222> (168)
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<220>
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<222> (170)
<223> n equals a,t,g, or c

<220>
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<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<220>
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<222> (263)
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<220>
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<220>
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<222> (297)
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<220>
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<220>
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<222> (319)
<223> n equals a,t,g, or c

<400> 2972

2464

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ncaattntnt ggtccaaaaa tatattctgg atttggtaat tggcaaacc tttgataaac 120
atggccantg accnctnaat acnccccaaa gccagcnttt nctnctntn cagtgcataa 180
aatttattta ttttnaaaaan ccncatacta ttttgggacc attaaaacct atgggttaaac 240
tggctgcatt ggaattaact ttngaccaa tctaacnct gctactttct aacattntga 300
attgggnaat ttcctttcn                                     319
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<210> 2973

<211> 709

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (373)

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<220>

<221> misc feature

<222> (434)

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<220>

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atacataaag ttcttgaaag atgccaaactt gaatccaatt ttaaataaaa aagtttaaaa 180
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2466

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tatgttatat ctntattgag atgaagtaga tcactccaat tttaagttga acaacatgga 420
ttaacttttt aganaagcag tctaattagg ctgactttng aatttcctat ttttaagtta 480
cagttccaga acctgaaagg ttcatcctt ngnttccatg aaaacaggtg gtttttccnn 540
taaaatanta aaacnggggc ctaatgtcat attttaaaat nattgtttan aattaaaatt 600
ggtccnccaa taattttttc caatatntcc cattcaggtt cntcnatttc cccatnttcc 660
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taatttaatg ttgtctttta ctggggcttg ttttgantcc catttttatt tgantcncta 300
acaaccatct nttaattaca atttaacttt cnaagantcg cgtnatttgt tttttgttaa 360
tgaaatgcta ttaacagcat tatnaaagtt ttctctttta atcttgaaan gaaaaaaatc 420
cntctcttaa aaagcctccc ccaaaaaaaa agaaaaactg ttccttaagt cccctactgt 480
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ncancanttt nttaancncc anncncttaa nangtccaat gannaaaccn ccncattgta 360
ctgaactntn ccccntggga accnccatta ttatttncag ggtnnttctt ttttaccaan 420
tgaatttaca aattaattcn ctnggtttta nncggttncc aancccantt tnaattaaan 480
aaaaaaaaa atcctntctt ttggaaacct aagcctgggg ataaatttta aaatccttta 540
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actctgnagt cctaattntt ctagttggac caaaaaaaat ccnattgtt tgatctaang 180
agangnaatt taccaatnct gtatacgcat gtgtgtgtgt cgcttaaacg anctgtccgg 240
ttatanaaaa tcttgatcgt cataaatcat gtctanacat catgtaatga attgcacgat 300

2476

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 aagaacccca tgaacnggan ccccnaaga aactgaanaa taactccttt tttttnaaaa 360
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 anatcttgct caaatgcttc gaactgtaat gtgtttactc cttcncgtga actgtgtcta 480
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tgtgctttcc cagtcccatt cctcagcttc ttcacaggca ctcttgaga tatgaaagat 180
tactctccat atccccttct ctcangctct tgactacttg gaactaagct cttatgtttg 240
cctttgtttc ccatcanaat gtccactaaa aagaaaagga ngaaactanc anaagaaaat 300
nttattttgg tttatnanc ttaanccct ccaaagacan aactttaaat cttttnaaaa 360
aaaagtttgg aatnnatttg attactatca ttattcnnc ctttactttt aancnnggct 420
ccctacttna ctccncccta cattatctcc ctttntncct ttatcatccc ttaaaaaaat 480
tcctttnaan atacattttt atcctccctt tttacaccaa aagggnaaat tccgggcntt 540
tggttgggtg caatcccctt tttattcccc cnncaccttt ttgggaangc ttttaagggcc 600
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cccat 665
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<211> 502

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<213> Homo sapiens

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2484

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gtggcaagcc tcttctgctg aaccaagtaa gggttgtgga gagagaacag aggcaccaga 180
catanactaa ggtgtaagga gcaagatgta atantttaac tcaattggat tttttaattg 240
ggtggaataa ttcaggggtg ccacacaata ttatcaccta aaaagatgtg acttactgtg 300
aangatcaat actaaataat ggggctctct ctgccatata tattcttgct taaaagtatc 360
ttantacagt gcagacttat tatatacaat ttaatttaca tgaattcact attncatcca 420
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2485

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anggggcaga aaacatttgn caattcattt ttatttagctt gatggagcat gnattatttg 180

2487

caatggaata ttggacttgg tatTTTTcct gagcattatc aggtttctgg ctggtgggag 240
gggtgggnaa aaccaattcc tctttanctg aanaagntat tggtnngggc agggcttttg 300
ctttgnctgg aaagcggctt aaatccacct tatnttgggg gcttntggnt ggggaaaaac 360
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<212> DNA

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<210> 2984

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<212> DNA

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2488

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ttttccttct cttcaancta tctcgaaagc aaaaatatca gcactactgg naatanaaat 180
ccactctcta tgtttcaatt ccatttatcc tctgggggagc acaaacttgg gcaatcaata 240
aaggctttta ntganacaga catgcttttag tgggtgcaat atgtgaccca aaaaattcca 300
cattcacatc agtgtggtta attttaaatc actcatcatt atgcacttat attcacaccc 360
acacacactc aggactcaca cagaaaaaaaa aaatnattca gacactccaa aattatcctt 420
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gana                                     484

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<212> DNA

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2490

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<210> 2986

<211> 593

<212> DNA

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tacaaggact atnggcaagc aaatanaaac tgaantgtcc angcccaant cccntttctt 180
gtccnaaagt ctgattancc nttttatcat aancnngatt ccgtangtnc tttcnatggt 240
aattcnattn tcttggagcc tcactcctcc tcntataaaa tcatttggta ttatttataa 300
tcttctncca ncattctact cttagaagct gaatcnacaa ggacagnnta acctcantct 360
tggacctctc aggctaaaca ggctacatta acannatcta caanatgatg gatgggttgt 420
cnaangtgaa tattctcacg ntaancatgg gnatacccn atngtctgtt atactctgtt 480
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cttggganat agatngatgg ggaggttagca ggacttggtg nattcactga gcctggggggg 180
atgacttgaa gctgatggtg cagtggntaa cagttgcagg gctctgaaag gggaagnagc 240
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2498

<212> DNA
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gctgtgtcnc attacttcan ganaancctt acccttggat catacttngg anncctggat 180

2500

tgctaaagan gattgtcctt tatataatgg tgganatatc ntcttgnaat ntcttaatga 240
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tggccgtcgt ttacaacgt cgctgtactg gggaaaacc aaannccntn ctntt 115

<210> 2990
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<212> DNA
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<220>
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2501

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accttttggg ggatccgaca agcaaataaa gcttcagctc gcagtacagg actctgccag 120
atgtcttcac ctctcctgg tggaatctaa gccttggtgca cctttccaat ccaaaatcaa 180
gggtacagga atcttcctgg aaaaaaagta natttgattc anctggcaan aattctgttn 240
ancttaatag g . 251

<210> 2991
<211> 289
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (37)
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<220>
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2502

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<220>

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<222> (89)

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<220>

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<222> (129)

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<220>

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<222> (166)

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<220>

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<222> (185)

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<220>

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<222> (217)

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<222> (230)

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<222> (247)

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<220>

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<222> (279)

<223> n equals a,t,g, or c

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ctagtggatc ccccgggctg caggnaatnc ggcacgaggt tggtctgtgc tctgtcctg 120
caccataana gcatgtccca ggatcatcatg ttcttttgca ccaggntcct gggaatgcag 180

2503

agacncttgg agctgacctg aactggacct ctataancag anatgctgan caacatctgc 240
agatacntgt atggtattgt agcagtcctt gaaatcatnt actctacca 289

<210> 2992
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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<220>
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<222> (146)
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tggccgtcgt tttacaacgt cttgactggg aaaactcatg cctgcntgat cctcnaaatc 120
accacatgan tattcctatc cntacn 146

<210> 2993
<211> 63
<212> DNA
<213> Homo sapiens

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<220>
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2504

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<220>

<221> misc feature

<222> (12)

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<220>

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<222> (52)

<223> n equals a,t,g, or c

<220>

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<222> (62)

<223> n equals a,t,g, or c

<400> 2993

gtatnaanaa tncaccttat gtggtttatg ccttcaatca tctcgtaaata anaaagtacg 60

gnc 63

<210> 2994

<211> 437

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (233)

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<220>

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<222> (241)

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<220>

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<222> (301)

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<220>

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<222> (332)

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2505

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 <222> (334)
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<220>
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<220>
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<220>
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 attcctggca ctgtgggatg atttcgagat gctgctctgc tcttttggtc aacatctgct 120
 ctgactgggt gtcaaatatt ctgacattag acacagcccc aggcacgtcc tgcacacatg 180
 cactcacaca atgtcccaca ggggacacac agtggttcaga attgtcacca tanacagaaa 240
 ntccctcctg tggatatatgt tgaaataacct cctcttttgg gccaaagccc ctaggcagaa 300
 nctcttgata atgggtggcag gaaaaagggg tntngaaaaa aggcctgggc aggttataaac 360
 cantttcnca caaantctga attcctgctt gcaaaantgg gccgaaaagg gcaggaaatn 420
 ctctttttta aaaaaac 437

<210> 2995
 <211> 180
 <212> DNA
 <213> Homo sapiens

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<220>

2506

<221> misc feature
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<222> (150)
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<220>
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<222> (155)
<223> n equals a,t,g, or c

<220>
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<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
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<222> (166)
<223> n equals a,t,g, or c

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gaatanaatc acttacaggn aatttcagtc attgatttca aatttgtaaa acaagcta at 60
agttaatat ttgccaaaaa gaatatctat aagatacatt aacctactaa tggactccca 120
aactatgtga aaaaaaaaaa actgacaaan ttgangggan aantanacaa ctgaacaatc 180

<210> 2996
<211> 113
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (106)
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<220>
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2507

<222> (111)
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<220>
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<222> (112)
<223> n equals a,t,g, or c

<220>
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<222> (113)
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<400> 2996
gcggcacgag cggcacgagg gggggcccg gacccaattc gccctatagt gagtcgtatt 60
acaattcact ggccgtcgtt ttacaacgct gtgactggga nccccnaaaa nnn 113

<210> 2997
<211> 185
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
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<222> (182)
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tttcagaacc gaacgggttat tccaattcgg ttccttggaa aaggaaaagn tgcactttta 120
naagttcccc aatgaaacaa aaaaacctcc accattttca nggcntggtt caacggccca 180

2508

tnacc

185

<210> 2998

<211> 117

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

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<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<400> 2998

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agctaattgtg tttgtctcat gctttcaatc atttcttgca tctgaaaacc cntnaat 117

<210> 2999

<211> 129

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (120)

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<220>

<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

2509

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<222> (127)
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<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2999
gcggcacgag cggcacgagc ggcacgagcg gcacgagggg gggcccggta cccaattcgc 60
cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactggggaan 120
ccnaagnnn 129

<210> 3000
<211> 440
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (17)
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<220>
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<220>
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<220>

2510

<221> misc feature
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<221> misc feature
<222> (245)
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<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
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<222> (317)
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<222> (319)
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<220>
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<222> (331)
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<220>
<221> misc feature
<222> (357)
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<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2511

<222> (434)

<223> n equals a,t,g, or c

<400> 3000

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acagtaaagc catatagatg cacacatagt gactttatta aatcaaataa gttgtgcaga 120
gcagagcaaaa tctattangc tttctctttt aaanttttct aatttttactc ttattagctc 180
cctcagttnt catcaattac atattcctac atcagatatt ttacactatc agattccttg 240
attanaaaaat catcttcagc tttacattat taatctctga aggacataaa atcaaatact 300
ttctngtcca tgatcantna tccctactat nttaaatctt cccataaaaag cttaaangga 360
aaaaaaaaatg tcgttnttcc aaaaaaaaaatg cttgccggnn ggtccgcctt tatccacctt 420
tggagcgggt tggngacctt 440
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<210> 3001

<211> 279

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (207)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (221)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<400> 3001

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gaaaaaaaaa catctgaaca aatttttagtc tctaatactt acggctaaag caaacagtaa 60
agatagccta acccttagct taataatata aaatctcatg ttaaaggctc atttgcctca 120
```

2512

gttcctttta ctacgtacat cacattcagc tttcaacaaa aaaaattaca nggcatacta 180
aaaggacaaa aaaacagttt gaagaangac agcaagcagt nggacaagac tcngatttgg 240
aggaagatgt tgaaatcatc agactggaaa tttaanacn 279

<210> 3002

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

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<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

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<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<400> 3002

acttgcnct caaaaaangg cccnaaaag aatntaaggt tgaatctcta cgggggtgnc 60

2513

ggtcgattta aaattnttgg atcccccggg ntgaaggaa

99

<210> 3003

<211> 93

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (63)

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<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

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<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<400> 3003

gtgaatacaaa aacataataa aaaggtaagc tgaatatagc aaaaaaaaaa aaagggttta 60

aantgggagc ngntgggttn ccttttancct cca

93

<210> 3004

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (291)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

2514

<220>
<221> misc feature
<222> (359)
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<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

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tctattatga aatgatacac attttttaa atgaaccataat ttttttcact aagctgtttg 120
ccttccaaag tgtttacacc ttaagcctta acatgtatct tcattcagaa aacagttata 180
ttgtcatacc atagtaggaa gaaaaacctt tatttggaat atacactact gtaagtttgt 240
acagatcata tacctaccac ctgtctttgc ttaaagagcc ttgattacat naatatgtta 300
ggaaaaaac atattgagtt tcaaaattta tatcctgaca ttgtttaagt ttatgantnt 360
tttttnnaat ttgccaaana caaggtgtta tatt 394

<210> 3005
<211> 108
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
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<222> (105)
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<220>
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2515

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<400> 3005

gcggcacgag ggggggcccgtgtacccaattcgccctatagtgagtcgtattacaattcac 60
tggccgtcgttttacaacgtcgtgactgggaaaaccctaaa tnnntntnn 108

<210> 3006

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (236)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (282)

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<220>

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<222> (290)

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<220>

<221> misc feature

<222> (296)

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<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

2516

<400> 3006

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gaactagagc ttctactgtc ggcttgcagc acatataccc ttccagttca ctggcttagc 120
aacagattca aagaacggtc ttagtactgt acctgaaatt atgatccact ctgatgatta 180
gactttgttc ttgggtcacc tgactcagct gtccttacct ttcattccgt aggttnaata 240
tagacataga cacagatcta taaaaattat acagatatga tnttgatctn gatatnggaa 300
aatagccctc ttataaatac cgatntctat gaatnt 336
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<210> 3007

<211> 57

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<400> 3007

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gcgagttttt tttttttttt ttttttaaatt ttangggacc ncttttttna ananttt 57
```

<210> 3008

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

2517

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
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<220>
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<222> (289)
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<220>
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<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<400> 3008
gaaactttta aaaatctttg gtggaataag agagagagag agagtatgtg tataaaaattt 60
cagagaggta ttttaaaagt gatggatttc tagcttggtc ttgaatgaag ggcaagtctg 120
gttggcagtg aanaggcaca gttttcatgg tgggaggctg gcagcaaaca gacaggctgg 180
gccc aaacac agtgggctcc tgaaagctgg aggtgtacac cnngacagct gctggagggc 240
tgttgaattg tttcctggaa ttaggttttg gtttagtggg acaataccnn tccn 294

<210> 3009
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)

2518

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (322)

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<220>

<221> misc feature

<222> (344)

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<220>

<221> misc feature

<222> (369)

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<220>

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<222> (372)

<223> n equals a,t,g, or c

<220>

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<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (409)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (410)

<223> n equals a,t,g, or c

<400> 3009

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aactagattg caaattccca tccagagact ctccaaatca gtgactgcaa cccatgcttg 120
ttggcagggtt cttatacaac ccactatgag ttagcatcaa aaatggcttt ctccatcag 180
cacccatgtn tgggagtgtg tgtgggggta cttcccagtg ccgttccttc tcatgggtctc 240
ctgactgctc cctgattcca gatcaaggct tggtaaantt caaaaactcc tccatggctn 300
ggaatgcctg gcttgtccag tnggaatggt tttttcacaa aanagtcc tccccgtct 360
tcacacacng angaatccct cacagttttc ccaccaaadc cccccnnn gggtgctgct 420
tgccttattt tccaaatttc ccaa 444
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<210> 3010

<211> 347

<212> DNA

<213> Homo sapiens

2519

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

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gcattggact ttaagttggt ttataccctt catctatttt ttttaaagat ttgaactggt 120
gatgtacagt ttttaaaatg ctanagctag caaaagttga caactttcca tctgattgta 180
tttattgaaa catgtgcac tacatatatt tactggactn cttactgtac attttncttc 240
ctctaggaaa tggcatcaan atggttcaac taagaacatg atcactaaaa acattataat 300
aatacctttt ngaaaaaccc antncccccg tttaccaaat ttttntt 347

<210> 3011
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2520

<212> DNA

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<400> 3011

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actggccgtc gttttacaac gtcgtgactg ggaaaaccca agctntnntt ttttttctnt 120
cgcant                                         126
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<210> 3012

<211> 69

<212> DNA

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2521

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ccccangta 69

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<211> 300

<212> DNA

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tnccttagta gtgatgttac ttttatcaaa gataatccat tgaggacatt gttctatttt 120
ctgacaaatc aaaacgttgt cttcaaataa tgcctttaac aatataattc catgtttgac 180
ataggaacta cttatagatt gttataaaaat tgaataattt tgtattaatt atttaattct 240
ttccttaaca taacatgtta agcatgatch aatgtgaaaa cacttttncc ccgaattnnn 300

<210> 3014
<211> 103
<212> DNA
<213> Homo sapiens

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tggccgtcgt tttacaacgt cntgactggg aaaccnaaa nnn 103

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<212> DNA
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2523

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tggccgtcgt tttaacaatt cgtgactgga accccnaaaa nnat 104

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<211> 102
<212> DNA
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tggccgtcgt ttacaacgt cgtgactggg aaaccnaaa nn 102

<210> 3017
<211> 260
<212> DNA
<213> Homo sapiens

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2525

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ctaattgatt acctggatct aggtacatgt gtcgcctnna atcattcaac ctttcntcac 180
tactatgtgt aaggnantct gctnggtccc aggaatgtgg ggctaataa taaaagcact 240
cctacttnag tctggcagga 260

<210> 3018
<211> 56
<212> DNA
<213> Homo sapiens

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2526

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gctagtctcg agtttttttt tttttttttt aagttananaa ngttnaacta naatta 56

<210> 3019

<211> 339

<212> DNA

<213> Homo sapiens

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cactgtctct tgggtatgtg gtggggattg gggggtgagg aaggggtggg anggcanatt 120
aaagagaaag cagctgcagc ctgaggcaca gacaggatgc agagtgactc catcatccca 180
cctagagtca tggacaccac ccactttgat acatcctgtt ccacaaccat aattcccttt 240
catgctnatt cctttttaat tggaatctcc cttccttcca cttccaaaaa aaccnaatct 300

2527

nacccngggtt ttttaaaaat tggggaaaag gggtttccn

339

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<211> 105

<212> DNA

<213> Homo sapiens

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<400> 3020

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tggcgtcgt tttacaacgt cgtgactggg aaaacccaaa nnnnn 105

<210> 3021

<211> 541

<212> DNA

<213> Homo sapiens

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2529

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ggtgagtcac ctgccaagaa actgagactc cctaaagtaa cagaacttcc agccttcttg 120
gcaaaggatc caggtttggc acagtttcaa ggtttatgca tttaaagaaa naaacaccct 180
gagaaggcta aaattggtaa cggctagttt gaaggttaag aaaaaaaacc tactcctgaa 240
ctgattctct atgttgccctg aaggctcctt atcaaattnt tcttactgaa aaaaccccaa 300
accacttctt gttgtttttat attacaactg cttgaattgg ggnaantta cccccccgtg 360

2530

ctttccggtt ncccccaaa ttngcntnct gcatttcctg ttgggttccc aattttntaa 420
aatccccac ntgaaatttt nncattgggc cccncccnna nnaaaaaccc cnatttccca 480
ttccttgga ggattggaaa aaaccnngg aaaatttttg gaatnaaacc cctttttttt 540
n 541

<210> 3022

<211> 446

<212> DNA

<213> Homo sapiens

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<222> (322)

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taccagtgtc acaaagagaa ttctaagggtg ggtatgccag gcaggcnagt ttacagacct 120
atcatatgtt ttctcagggg ctgcctgtca ccagctttgc aaatttgggc agatttgaaa 180
ttatcactta cttttctgcc ttagttatca gatctcttgc acctctggca gctttattga 240
atgtgtgcca ggtttgttaa aataacattg ttcttgaaat tattccnaca ggtgagttta 300
ccccatgcct ataancccaa antgcttgga attaagggnt taaccactgc ccccgggcaa 360
attccagtn cttttccaaa aaaaacccca aacttaacct tggaattaat ccaattttnc 420
cccnmtttta ttttaaaaatt anaaaaa 446

<210> 3023
<211> 297
<212> DNA
<213> Homo sapiens

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<222> (264)
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<220>
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<220>
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2532

<222> (292)

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<400> 3023

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ttaaaaaataa ggaaagtaaa tcaacttcca catcaacctg cctcataatt ccaacatttc 120
acttgatttc tatatacatc tgaagccatc actaaattgt cagtgtacct tccaaaatga 180
tggccctgac cacatccatc aaatgtttca ctaagctaac taaatcctac aaatgcctgg 240
ctaattgaaa tgctttttnat antntttccn atgggctgaa tacccaaggt anagccg 297
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<210> 3024

<211> 427

<212> DNA

<213> Homo sapiens

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<222> (312)

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2533

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<400> 3024
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acttggggtgg gaaacccccac ccaaaagccc cctttgttac ttaggcaatt ccccttccct 120
gactccccgag ggctaggggt agagcagacc cgggtaagtn aaggcagacc cagggctcct 180
ctagcctcat acccgtgccc tcacagaanc catgccccgg cacctctgcc ctgtgtcttt 240
catacctcna natgtctgct tgaaaatatt tcctcagcct gaaagtttcc ccaaccatct 300
ggnaaaaaaa tnctatgcat cccttanaac cctgctcaga acacaattac ttttgttaaa 360
ggcttctgcc acatcttntn ttcccccaaa attgaaanac tccgccttct ccgggggncc 420
cggtanc 427

<210> 3025
<211> 537
<212> DNA
<213> Homo sapiens

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2534

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2536

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<222> (457)
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2537

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tacataaaag gtaatgtact gtatatatta ttctgcacta gttttaaaaa atttaacagt 120
atgtaactgg agtcccttt gtatccatac ataaagagct tcttnccttc tgttacagta 180
anactatgan aatgttccat agtttaacca gtccagtccc ttananatgg ataccgtatn 240
gttattgcaa ncaagtgctg cagtcagtaa cttgtgttat atcannattt ngttcatggt 300
gcnggtttat ctatanaata aatnccccaa aaataaattg gtgtgttcna ngggtnantg 360
tttttggtta cccccagaaa aaanttggcc aattnccccc cgtaaaaaan ttntttcntt 420
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aacctctctc cnatccatta ctnggttctg agctaccctg tctcnntct aactcacgcc 180
tttntgnaan aggaagttta agccantggt tactctctta antcacttca cccttagaac 240
aatcctggga ggtgttnatt tcggaaaagg atncttaacc acaggacaga aaanttagtc 300

2543

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ntcgtttctt tnnnnnnntta tttataaatg ggaccntatg actgggttatn ntcaaancnt 360
caacntttnnn nnnnggaactt ngcatatttg caacccaaaa tgggccgcct tgaaanggtc 420
ttttgcagta aaatctcagt gtccacatcn aaaanagtct tccgggctcc aattaatata 480
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 gaacgccena cattgaaaca ctncctnatg tggtgggacg tccacagaat gncaagctna 180
 ccacgengtt tatcttactt gggcncgcnt aagccccgcg tttgggcca cttggtccac 240
 ttccncaatc ccttgncgcc caanaaaggc ttctttccaa ggtttccaa agggccccc 300
 nttggggttn cantcccctc aaaacataag gggccngcnt taattaacct cgaagtgggg 360
 aacc 364

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2546

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<210> 3030

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<212> DNA

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<210> 3031

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agggcatgtg accctnaaac ccccatgagc agcatcctgt ccccnagcca cggaagctcc 180
tgctcccttg gncaggcctg cccctccctc caagctgtgc tgttggacat tcggtgacnc 240
acacncctga caagctctcc ttgctggccc ttagaaggat cggtgaaaag gaaggggaaa 300
ccatcncttc ttgaactacc ctttggaatc cctccccgtt tgaatttttn tacaccatgc 360
tttatcnttn gnataacccc gntncctatt nangnnaatc ccaattttga acctttcatt 420
tgccaccaaaa aaaaaccctt cttttatctc ccnacgattt ctcaaantcc ccgttttgaa 480
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cttctcttca atctnatnag ctgggtgatc agaaatgcna gaggacatt gagaancnta 180
aat 183

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gtccaattgc tatngttact tcaggaagt angaactggc ctgatgncca actcgaatgt 180
ccgtcttacc gaaacagacc cacctggcat ctatcctgat tttaaaagaa ncccnncacc 240
ntancanaat tncntaattt ggctttcana aanaccngnc caatattgga tttggncctt 300
ccccaacccc acanaaataa tggctngcac tttngcngtt gggatttgna ttggggggcc 360
aantntctt tttncnanaa tccctgggtc ctnggcaaag ttcccttggg gttggggaaa 420
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<210> 3037
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2558

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tgaagggctg ctgtcagtcg aatgctcatg gtggagctct acaggtctct gcantgccct 180
ancctgcctc tcttgccttc ctatcacagg canatntgcg acgggggacc ctgcntaccc 240
ccagccttgg ctccantanc attgggcaca aatccctcan gtgtncaggc ttngcacagg 300
tgcatattng ggagcacctc angatgcngt taggggaacc ctctgcacaa cccacctccg 360
gcaaaaacaa gttctggggg cacggtgccc caaagaaaac cntgattgaa tacttttgtt 420
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2559

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2560

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2561

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tggccgtcgn ttaacaacnt cctgactggg aaancccaag catgagtgcc agccactggg 120
atctanaact gtgattagtg aggaaacacc taggangaac aaacaacca actcttttta 180
tctaattctgt tgactccaaa gggaccttct gcttattcca gttaaaactc aagctgcaat 240
tcaaaatgaa atcagtatct ttttttctct acttttcagc aaagcaagat gctaccttat 300
nattaccacc ttaacaatc aatcgnaac atagtgggct taaagcagct ccccttttta 360
acctacntat ctggcaaac ngcagtcttg aantgaactc agctngaatt tttttcctga 420
actgaacant ttttnggtc ctgctgcngg ctggttttaa atgatggtgg aataaaaacc 480
cc 482

<210> 3039
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<212> DNA
<213> Homo sapiens

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2562

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 <222> (376)
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<220>
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 tagtttttaat tagaatgaca tagagttctg tctaaaaacc tcgaaaactt aaggaaccac 180
 tgtgaaacat ccatctactt acaccattc caaccccaaa tcagtactga acaccaaaca 240
 tgtacacagt tgtcatgatc ctcatcacac ttgtctcaac taaataatgt taccctcca 300
 cccctccac tgaagatctg cctactgtat ttctacctga gggttcaaate agggttcttc 360
 tatgaaagtc tggtnnactc ntcnngtctg tatc 394

<210> 3040
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 <212> DNA
 <213> Homo sapiens

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<220>
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<220>
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2563

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acaattcact ggccgtcgtt ttacaacgtc gtgactggga aaaccnaaa nnnn 114

<210> 3041
<211> 61
<212> DNA
<213> Homo sapiens

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<400> 3041
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c 61

2564

<210> 3042

<211> 106

<212> DNA

<213> Homo sapiens

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tggccgtcgt ttacaacgt cgtgactggg aacccaant tnntnn 106

<210> 3043

<211> 438

<212> DNA

<213> Homo sapiens

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<222> (54)

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<221> misc feature

<222> (303)

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<220>

<221> misc feature

2565

<222> (373)
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caatttagta tcagtagcca gtgttacaac ttaattcctt cattggtaag gaaattgaac 120
aaaatggact ctctcagatt ccctgttaga atctgagagt tccaaggcac tggaggaacc 180
tttcaggtaa gcctttcttc caccctaagt agcacagtca gtgtctgaga aagatttgtgt 240
ggaatgaaag caaaacctta aatcttgaat tcagggttat atttcattcca tcactctttc 300
tangaagctg ttatgctgtt atgaaatgaa tgcagggtttt tggcactaga atgaacctgg 360
gttttatattt ggntcctgtt tgaataccat tgtgtttggg tgaaatttcc naaantttgc 420
canttgcnc a ttttcccc 438

<210> 3044
<211> 154
<212> DNA
<213> Homo sapiens

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<220>
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2566

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<220>

<221> misc feature

<222> (108)

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<220>

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<222> (114)

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<220>

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<400> 3044

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taataattca naaaattttc acctgcaaag tgtnttggaat tttatgtntg tggntgaaag 120
ccatcttnta caatgcttaa tcacatctct gcct                               154
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<210> 3045

<211> 128

<212> DNA

<213> Homo sapiens

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2567

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agaactaatg gatcccccg gctgcaggna attcggcacg anaggcacga acgcctnttt 120
catcnatc 128

<210> 3046
<211> 116
<212> DNA
<213> Homo sapiens

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2568

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 cgggtaactt cgcattccnac aaactctgtc tcaacattct gtgtcgggga gantgc 116

<210> 3047
 <211> 362
 <212> DNA
 <213> Homo sapiens

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 <222> (306)
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 tctaacctta tcactgtggc agaaactggc tactcttcct cctgggtaga cagccaggct 120
 gtatttcccc gctgcccctg cagtgtgagg tagccattgg agccggcgca ggccaaatgg 180
 actctgcact ggagtgtcac atgtctgttc caggcctgtc cctcaaacct cccacatgtc 240
 ctctgtctgc tcttctcact tccaaggagc gtgaccatcg tggaaacccc aggttnagcaa 300
 tggcanattg ggagcatcc atgggangaa actgggttcc ctgacntaaa gcatcatgga 360
 at 362

<210> 3048
 <211> 247
 <212> DNA

2569

<213> Homo sapiens

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<220>

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<222> (232)

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<222> (233)

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<222> (235)

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<222> (247)

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2570

<400> 3048

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agctccacca angttgccgn tcgctctaga actagtggat cccccgggct gcaggaatcc 120
ggcacgagcg gcacgagggg gggcccggta cccaattcgc cctatagtga gtcgtattac 180
aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa accccaagng tnntngtttc 240
ttcgtcn 247
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<210> 3049

<211> 226

<212> DNA

<213> Homo sapiens

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<220>

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<222> (10)

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2571

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<222> (146)

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<222> (160)

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<222> (168)

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<220>

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<222> (194)

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<220>

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<400> 3049

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agccttctcc	tcattctctc	aatcttatcc	atcatagcag	gcagttnagg	tggattaaac	120
cnnacccagc	tacgcaaaat	cttagmatac	tcctcaattn	cccacatngg	atgaataata	180
gcagttctac	cgtncaaacc	taacntaacc	attctgaatt	tactat		226

<210> 3050

<211> 318

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (120)

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<220>

<221> misc feature

<222> (129)

2572

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<220>

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<222> (131)

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<220>

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<222> (184)

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<220>

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<222> (236)

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<222> (247)

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<222> (271)

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<220>

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<222> (295)

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<400> 3050

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actggtaggg tccctgaaaa naatttagtt tccagaccac agattgactt tgatgggttan 120
gattttatna nttaaataata tcaattttta ggtacttttg tatgataaag ttgtattatg 180
attnataata acaagtcctta atttgaggct tactcacttg aggacttttg tacaanaatg 240
ctctttngct gtttttcctg accaattttc nctctgaatg caaaagggtc atatntgata 300
aacactgaaa ttgccaca                                     318
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<210> 3051

<211> 116

<212> DNA

<213> Homo sapiens

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<220>

2573

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<220>
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<222> (103)
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<220>
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<222> (104)
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<220>
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<222> (105)
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<220>
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tggccgtcgt tttaaacgt cgtgactggg aaaccnaag tgnnntngtt ctccgc 116

<210> 3052
<211> 55
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (29)
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<220>
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<222> (33)
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<220>
<221> misc feature
<222> (39)

2574

<223> n equals a,t,g, or c

<220>

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<222> (46)

<223> n equals a,t,g, or c

<400> 3052

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<210> 3053

<211> 351

<212> DNA

<213> Homo sapiens

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<222> (276)

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<220>

<221> misc feature

<222> (310)

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<220>

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<222> (317)

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<400> 3053

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gctgctgtct	gaacatggt	gcttctacat	cccatgcatg	tgacatgct	gtatctactg	120
tctgctttgc	aaacttttac	cttccttccc	gegagccttc	cggggtctta	ccctttgctt	180
ctccctcccc	tanacattag	taaccccttt	ctgtgtaagc	attaccttca	ctgttggtact	240
gtgttacagt	tatttgcatg	tctgtcctat	cctaantgaa	ctaagtgcc	cttgattgct	300
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<210> 3054

<211> 328

<212> DNA

<213> Homo sapiens

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2575

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<220>

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<222> (232)

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<220>

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<222> (287)

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<400> 3054

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cttatggaat atggtttgat atatatatttg ctgagttgga ctaacacccat ttgtttttgg 120
ttacattcca ctaacagaaac atggcaagat aagtttatgg tcaggggttg ttggtgatcc 180
tcagtgttgc tgcgcagtaa naaggtgagt ttgaggtgag aggaacaagt angaaagaat 240
gatccccctga accacctcct cactttctta ctttcaacccc cacctangtt ttgtgaacct 300
ggacttggaa aatgttcggt acccagtc 328
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<211> 100

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<222> (94)

<223> n equals a,t,g, or c

<400> 3055

2576

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cgcacgagcg aatccntaat ccttctaata nctntcctct 100

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<220>
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acggtggcgn tcgctctaga actagtggat cccccgggct gcaggaatcc ggcacgagta 120
aancctnaca naaan 135

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<212> DNA
<213> Homo sapiens

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2578

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ttaaagcgnat atgctngggg gaggagctcc tggcangact ccacctgtaa ggantcataa 120
gacatcttng annggttcac cttgctctg acttgncccc atacctac 168

<210> 3058
<211> 53
<212> DNA
<213> Homo sapiens

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<220>
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<222> (25)
<223> n equals a,t,g, or c

<220>
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<222> (30)
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<220>
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<220>
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<400> 3058
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<210> 3059
<211> 229
<212> DNA
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2579

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2580

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<222> (207)

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<222> (209)

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gtncctgtttt tttaancccc ttganttaaa aacctaaatg cccaaaataa cttgtnaggc 180
tataaattncc cctgantatt gcttcantng tatcacaaaa gttttgaaa 229
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<210> 3060

<211> 67

<212> DNA

<213> Homo sapiens

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<220>

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<222> (54)

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<400> 3060

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gaaaaat 67
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<210> 3061

<211> 116

<212> DNA

<213> Homo sapiens

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2581

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<220>
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<222> (114)
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attacaattc actggccgctc gttttacaac gtcgtgactg ggaacccnaa aannnn 116

<210> 3062
<211> 236
<212> DNA
<213> Homo sapiens

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2582

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<220>
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<222> (221)
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tgttgactca gtaaacatac catatatatg actctnatac tgattacacg tagtaatcag 120
natgataatg aaatacctat aataaaaattc ggagaaaagg anagtaaaat ttatcaaaaat 180
atttgtccnc ccnggagggtg tatttcctct ttataaatgtt nctctctatn gcatag 236

<210> 3063
<211> 56
<212> DNA
<213> Homo sapiens

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<220>
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<222> (51)
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<222> (53)
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<400> 3063
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<210> 3064
<211> 515
<212> DNA

2583

<213> Homo sapiens

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acctgctgta ctagtaggta aaatgcatac tttaacatag ttaccaaggt cattatattc 180
tcanagatcc tttgtgccat taagtaattt gattttttata tgccaaatcc ttttgatttt 240
tcttggttttg atttcctatt gggccatttt tcttttcttg taaaaccgta ttgctgttaa 300
taaaaatttat ccttgaatat tgccagtgtg tggataacat ccatctgtta ctactgactg 360
cttactcntc tgtcaaatta ttgaagggtgc tgaacataat gaagcactta gtcaaaaact 420
ggantgggttc caatntncat ggaaggaatc cccgaacttt acaaattccc ccnctaattc 480
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2584

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515

<210> 3065

<211> 105

<212> DNA

<213> Homo sapiens

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ctggccgtcg ttttacaacg tcgtgactgg gaaaacccaa agnnt

105

<210> 3066

<211> 542

<212> DNA

<213> Homo sapiens

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2585

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2586

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2587

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 atggttaaaa acacctttgg gactanagca aatcactgtt tttaatatga caanattgag 180
 gctatataat ttaaatecca ttctactact cctaagccaa ctttctgaaa ctcttaattn 240
 aactatcctt tgnaggcaa aaaattcctt tcttttcant agaaattaat attagccttg 300
 aaaaaatgac ccttctgata ggttttttaa ataattaact ccaaantgat tttatttttt 360
 tcccaatan tgggttgtn tttggcgng gaaaaccnta atttttaaac attgtgttcc 420
 ttatttccca ttttttccn ntcttntan aattatattt tatattttgc tttcttcccc 480
 naaangattt taaaccccca tttntttnt ttccttataa aatcncngtt ngttnagtta 540
 tt 542

<210> 3067
 <211> 540
 <212> DNA
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2588

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2589

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gcatactttat taatttttcag cacacagtca ggctctcatt ttgtgttttg ttgaaatagg 180
accaggaata ctgagcancc caaaatgact tgtatgtagc tttaaaatgt gcttttagttt 240
ttttttcaaat ttgtttncct aaggctaata tnanatgttn agcataaact tacattttgt 300
tttacaaaac tatatnactg aaaaatttgc ccttgccaat atgttctgat aaatgaaagg 360
tgattattttt acattaacat aagtgttgcc ancttgatgt ttgtttgatt ttaaaaaaaaa 420

2590

gtgagtnact gttttaaaaa aanaatatta tcttttaaaa aaaaatgttt tggctctntca 480
atttgaatcn aatatnagtt attaatacacn anttatatag ctttaattta agtttttgan 540

<210> 3068

<211> 534

<212> DNA

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2591

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2592

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 gttgggcttc tgtttttctc agaacgggga cnatcatggc ccccgctcc tggantgaag 120
 gctggggaca gaattagagg acccaggtac ntgctcagca ggaagccact gatctgtggg 180
 accctgggtcc cgggtgtcttt gccggcctca caccgcttc cctctanttc cagttgttcc 240
 tgagtaaagt ggaaganacg ttccantgta tctgctgtca ngactgggtgt tccggcccat 300
 cacgaccgtg ttgccancac aacntgtngc aangantgcc tggacanatc ctttcgggca 360
 angntttcac tgccctgcct gcgctacaac ttgggcnnac tatgcctgca ngttaaacia 420
 ctctgcaaac gtctcaacc actctccccg gctacggnat tgccggtgaa ctccaagcat 480
 tctcganagg ggttttgcta aaaactntcg aagggnctc accggactta attt 534

<210> 3069
 <211> 538
 <212> DNA
 <213> Homo sapiens

<220>
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2593

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<220>
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<220>
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<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
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<222> (534)
<223> n equals a,t,g, or c

<400> 3069
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ttattttaaac acttaaaatg atattagaan aggtatttta tgtttttaaa canagatata 120
tttcatttttt atatgcagtc aacanatcac atgtgtatgt ctcttatgtg tccctgtgtg 180
ggaatagctt gaattactac ataagttctc tganaatatt aagttcattt aggggaacag 240

2594

gacatatcta tatgaaaaac agaaatnata ctacnaacaa aagagagatc acgagataac 300
atgttatttaa ttctcagtga atgacatgtc atgaatcatc agaagagatg aggatatggg 360
aaaagcttta tgaaagtatc ngaacataag gaagatcggg tngttaacag aagactttca 420
ttgtgggtatt anttatatga ttcatgttaa atntatcata gtgaaattat gctcttctta 480
cttgtaattt acaaatattc ttaatatctt ttaatcttcc ttaanaaaaa accngggc 538

<210> 3070

<211> 242

<212> DNA

<213> Homo sapiens

<220>

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<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (167)

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<220>

<221> misc feature

<222> (180)

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<220>

<221> misc feature

<222> (203)

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<220>

<221> misc feature

<222> (211)

<223> n equals a,t,g, or c

2595

<220>
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<222> (222)
<223> n equals a,t,g, or c

<400> 3070
gctcgtgccg aattcggcac gaggttttac cctactcacc aaacgcctca accgcctttt 60
catcaatcgc ccacatcact cgaanangtt aaatttatgg gctngaaatc attccccggt 120
taccctttca acgccccaan ttgggggggcc ctcccaaata atttccnttt ttaaattctn 180
ggcccttcct ttccccttta acnaacaatt ncccgggggg cncaaaaagg gccctttaat 240
tt 242

<210> 3071
<211> 64
<212> DNA
<213> Homo sapiens

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<222> (9)
<223> n equals a,t,g, or c

<220>
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<222> (20)
<223> n equals a,t,g, or c

<220>
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<222> (35)
<223> n equals a,t,g, or c

<220>
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<222> (57)
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<220>
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<222> (62)
<223> n equals a,t,g, or c

<400> 3071
gttcagttnc attttactan tcaatcttac gggntacac atcctttaat tatactngtt 60
tnta 64

<210> 3072
<211> 427
<212> DNA
<213> Homo sapiens

2596

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
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<222> (276)
<223> n equals a,t,g, or c

<220>
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<222> (305)
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<220>
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<222> (308)
<223> n equals a,t,g, or c

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<222> (366)
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<220>
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<222> (388)
<223> n equals a,t,g, or c

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<222> (395)
<223> n equals a,t,g, or c

<220>

2597

<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
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gccttttccta aagaaaaatat ttattagtgc caaataattc aaatgggtata acaaagttaa 120
gtgaaaaaat cagtatgtgt tgtggtanct gcttggatag gggtagcatc ttgtctggga 180
ntgtataacct atgctagttt cctccttttt attttttgcc ttcattcttc tgaatttaca 240
tatttcctaa aaatttccaa attgcttttc aggaanattt caaggcattg gggaagggtta 300
tgaanccnga aggaattgaa aacccaaaata attaatTTta taaattaaag ttaccattac 360
atccanaatt ggcctgaaaa tccccccncc tcacncttgt ttgtcttggg caaatgttta 420
nttnata - 427

<210> 3073
<211> 217
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2598

<222> (213)

<223> n equals a,t,g, or c

<400> 3073

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aaattttctgg gattcttgaa agcatgggct ctctccgcac tgagtctagt ttcactgctt 60
cttactgggtt ttaatcttta atgttanacc tatgtttatc ccttattaaa atttccccct 120
gctttaattt caatgttcca atgtcaaana tcttataatt cnaaatgttc tcccaagggt 180
gggtcntaat ttttttttaa aattttanta aanattt 217
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<210> 3074

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (184)

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<220>

<221> misc feature

<222> (277)

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<220>

<221> misc feature

<222> (297)

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<220>

<221> misc feature

<222> (341)

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<220>

<221> misc feature

<222> (343)

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<220>

<221> misc feature

2599

<222> (352)
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<220>
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<222> (360)
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<220>
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<222> (373)
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<220>
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<222> (380)
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<220>
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<222> (427)
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<220>
<221> misc feature
<222> (459)
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<220>
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<222> (468)
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<220>
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<222> (469)
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<220>
<221> misc feature
<222> (510)
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<220>
<221> misc feature
<222> (527)

2600

<223> n equals a,t,g, or c

<400> 3074

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tggagttggc atgcagtga acctacagta tttatcaata tgtantcagt aactgtatTT 120
ttgatcagct tcctTTtactt ccctaacatt tttaggtaaa aacaggaagt cttgttcctt 180
tttTctcccc aaatcattat gccctgtctt tttgttattc taaaattaag aaatagggtc 240
ttaaaaaagcc aaaaacttcc catgaagtga attatantaa aggctttcct tgggatnaaa 300
aaatcagggt taaaactgtg ggccaacaat atTTTccaaa ngnacaaaac anctcctatn 360
gaaaaaaaaatt ganaattgan tatatgaacc aaacatntac tcctTTTcca atattgctaa 420
aaatcanttc ttccattaaa aactaatctc taatgaaant aattttcnna aactatgaat 480
taaaaatttt ttaatgggtt tccatctgan tcctgaaacc caaatangt 529
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<210> 3075

<211> 411

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (100)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (106)

2601

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (173)

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<220>

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<222> (181)

<223> n equals a,t,g, or c

<220>

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<222> (206)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (222)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (245)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (250)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (283)

<223> n equals a,t,g, or c

2602

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<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
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<220>
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<222> (343)
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<220>
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<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
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<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<400> 3075
naaaatatnt atttttaaaa aaccanaaaag gtatggaaaa aggattgctc tcgacgttaa 60
aaacatcagc ttttctgttt ttttncacca tataaattan agtntnctnt cgaanaatgg 120
gtgggtgggta tgggtacanac cataacaggc tactttgctg ctacagtaag gcntgaaaaa 180
nttcagcgaa ttttactgtc ttgcanaatt tgggggatta cnaaatggaa aactgctata 240
taatnttcgn caaaaatgat tgcattgtgt gacttatatc ctntctattta ttggcttgag 300
tgcanggana ttttataaaa aaatctgggt tgggttatca aanatcttng antgggggatc 360
aaanaatgct gggaaatttc ngagctaaac tggaattaat cttaggaaac t 411

<210> 3076
<211> 56
<212> DNA
<213> Homo sapiens

<220>

2603

<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
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<222> (4)
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<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<400> 3076
gcnnctccag ggggggnccg gaaccaattt cgcctatan tgattcctat aacgat 56

<210> 3077
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

2604

<400> 3077

gcggcacnag ggggggccccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt ttacaacgt cgtgactggg aaaaccaaann nnn 103

<210> 3078

<211> 422

<212> DNA

<213> Homo sapiens

<220>

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<222> (59)

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<220>

<221> misc feature

<222> (71)

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<220>

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<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (138)

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<220>

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<222> (177)

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<220>

<221> misc feature

<222> (237)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<220>

2605

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

<400> 3078

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cataaatcca nagcttactg gtggttgtct gaaaaanac acatcttgta ataggagtca 120
tacataaata tttctganat ctccctcata cttaaccacc gtgcctggaa aatgcanaca 180
actgtattca gtaaatggta tttgaatata agtaaatcaa aagtgtcgtt tccatanatt 240
ctgtagatgt taccacttan aataattacc tgtctaacc ttaacaaatt ctaccgtata 300
ttctcaagaa cttttgcaaa caccggggat tcccaaaaac aatgttggga attgttttcc 360
aattttcctt ttgaaaacct ccaaaaattt taaattcatt acctttttac ctncanttt 420
tt                                                                 422
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<210> 3079

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2606

<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

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ggcgatagaa attgaaacct ggcgcnatan atntagtacc gcaagggaaa gatgaaaaat 120
tataaccaag cataatntag caaggactaa cccctataacc ttctgcataa tgaattaact 180
agaaataact ttgcaaggag agccaaagct aagacccccg aaaccagacg agctacctaa 240
gancagctaa aagagcacac ccgtctatgt agcaaaatag tgggaagatt tataggtaga 300
ggcgacaaac ctaccgagcc tggatgatagc tggttgtcca aaataaatct tagttcactt 360
taaatttgcc cacagaacct ctaaattccct tntaaattta actgttagtc caaanaagaa 420
cagctctttg gacctaagaa aaaacttgta naaanantaa aaatttacac catagtaggc 480
ctaa 484

<210> 3080
<211> 471
<212> DNA
<213> Homo sapiens

<220>
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<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2607

<222> (245)
 <223> n equals a,t,g, or c

<220>
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 <222> (319)
 <223> n equals a,t,g, or c

<220>
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 <222> (327)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (414)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (432)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (434)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (454)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (470)
 <223> n equals a,t,g, or c

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 tanatatagt accgcaaggg aaagatgaaa aattataacc aagcataata tagcaaggac 120
 taacccttat accttctgca taatgaatta actanaaata actttgcaag gagagccaaa 180
 gctaagaccc ccgaaaccag acnagctacc taagaacagc taaaagagca caccctgcta 240
 tgtancaaaa tagtgggaag atttataggt agaggcgaca aacctaccga gcctggtgat 300
 agctggttgt ccaaaatana atcttanttc aactttaaat ttgccacag aaccctctaa 360
 atcccttgta aatttaactg ttagtccaaa agaagaacag ctctttggac ctangaaaaa 420
 acctgtgttaa ananagtaaa aaatttaaca ccnnttagta ggcctaaaan c 471

<210> 3081
 <211> 103
 <212> DNA

2608

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (100)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<400> 3081

gcggcacgag ggggggccccg gtaccaatt cgcctatag tgantcgtat tacaattcac 60
tgccgctcgt tttaaacgt cgtgactggg aaaacccaan nnn 103

<210> 3082

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

2609

<220>
 <221> misc feature
 <222> (192)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (294)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (308)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (337)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (344)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (365)
 <223> n equals a,t,g, or c

<400> 3082
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 acttcttctc cctggagctg ggcttttact gctaccata tcccagccct gcgagtcctgt 120
 tctagccagc acagacaccg cagatccgga actgaatgtt cctaaatggc gcagccaatc 180
 caggcttttc anaaactggg caaaaacatt aaaatgggga caatcgggtc ttccgcagtg 240
 gtccaacaca ggatttcttt taaatgtttc aaaaacatgt ccttaaaact tcancctgct 300
 tcttagcnag tgggccagtt ttgcttaaaa ctggtgnggg ggcnngggga aaatttttta 360
 aaaantgccca aaaa 374

<210> 3083
 <211> 516
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (166)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature

2610

<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (388)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (399)
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<220>
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<222> (463)
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<220>
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<220>
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<220>
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<222> (494)
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<220>
<221> misc feature
<222> (498)

2611

<223> n equals a,t,g, or c

<400> 3083

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caccagtctg aggtttggag tgtattaagg tacttggttt ctggaaatct ttttaagctt 120
ggaaaccttt aaacctgcga cttaaaaaag gatctacagc tatctnagta ggtggccttc 180
tgtgtcttgg ctaattttta agtgtggtgt ttgtttctta cgcaaaaagg aacaaattta 240
aatcactagg tactcaacca acagatttca gtgtggatta nttaagaaat aattgtagtt 300
cttgtgtggt ggcacaaaatt tttttcccta cattttgttt atgcagactg tcttntatnc 360
cttcacacctt ttcttttttt ccttgaanaa angaaatcnc aattttgttt attggatgct 420
ttgaaaaaaa tccgaaggga aagaaaaaac caaactgact gtnaatactt tcntgaattn 480
gataattttg gctnaaantg ccaggcccca tcctggg 516
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<210> 3084

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<400> 3084

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gcggcacgag ggggggcccc gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt ttacaacgt cgtgactggg aaaccnaaa 99
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<210> 3085

<211> 463

<212> DNA

<213> Homo sapiens

<220>

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<222> (42)

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<220>

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<222> (43)

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<220>

<221> misc feature

<222> (215)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

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2612

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 <222> (254)
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 <222> (309)
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<220>
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 <222> (317)
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<220>
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 <222> (334)
 <223> n equals a,t,g, or c

<220>
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 <222> (354)
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<400> 3085
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 tgtattaaat tcattcattt aataaaaataa tatgaattgc atgcccacag tgtatcaaac 120
 ctggcactgg gcaccttggt gctgtagggt cagtgaagcca tggcctctgt atcatgggtcc 180
 agatcatgtg ttttagtggga gattaaacaa attantcatt gaacaaatca ctacaagtag 240
 tantgatata aaanaaaagt atagtcttcga tnaaattgaa caatgggagg tctaaataaa 300
 tccattcana cttgaanaat ggcaattatc tganacccaa gatatggaaa aatnggtaaa 360
 aggcatccct ggctcttcct taacacacta aatatctgct ctcttaccac acccgtactt 420
 atgcaaattt gttcaaaaata atcatteccc ggacttcaaa tcc 463

<210> 3086
 <211> 523
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (69)
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2613

<220>
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<222> (223)
<223> n equals a,t,g, or c

<220>
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<222> (278)
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<220>
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<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
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<222> (351)
<223> n equals a,t,g, or c

<220>
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<222> (354)
<223> n equals a,t,g, or c

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<222> (357)
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<222> (362)
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<220>
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<222> (381)
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<220>

2614

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 <223> n equals a,t,g, or c

<220>
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 <222> (394)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (470)
 <223> n equals a,t,g, or c

<220>
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 <222> (482)
 <223> n equals a,t,g, or c

<220>
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 <222> (492)
 <223> n equals a,t,g, or c

<220>
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 <222> (505)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (517)
 <223> n equals a,t,g, or c

<400> 3086
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 ttgagaaana caaaagaagg ggttggctca ttggaatcag ctggacagct tttcaaaagc 120
 tacacacctc cctctctcct tcttctcatc agctttccct gagaaaccac tgtcttaaac 180
 tttatgatcc cagttagtct gatttcatta actgatacag atngtttgct ttcattaact 240
 atattttggcc tctgttaaca tatcttaagt tatgtttnaa canttttttc ttttannagg 300
 tttgttggga aaaaaaattt tttccttttt tgaaaaagaa ccaaacaact nccngtnctt 360
 angtttcctg ggaatctcca ntgggggttna aacnaatccc gggccttgaa tccccaccaa 420
 tactcttctc ttgggctctg ttttattaat aaaaaggaac ctggggaaaan aacaaattaa 480
 tnttctttaa anaataacac tcccnaccac ctgttcnttt tcc 523

<210> 3087
 <211> 351
 <212> DNA
 <213> Homo sapiens

<220>

2615

<221> misc feature
<222> (1)
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<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
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<222> (108)
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<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
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<220>
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2616

<222> (175)
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<220>
<221> misc feature
<222> (179)
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<220>
<221> misc feature
<222> (186)
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<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
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<222> (201)
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<220>
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<222> (226)
<223> n equals a,t,g, or c

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<222> (233)
<223> n equals a,t,g, or c

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<222> (237)
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<220>
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2617

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (266)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

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<220>

<221> misc feature

<222> (323)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<400> 3087

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nccactttct tcccaagggg ggaaaaaacc tcccgggggg cccttggnng naancccccc 120
cccctaaaaa accctttgna ncaaaacccc ttacttttcc cccaaaatgg aagcnttgnc 180
ttttgnnggg ngggccaccc nccaaaccta aatgattttt ncttcnaaat ttnccttncgg 240
ggaatncaat ctaattggan gttttnaaaa gccaaaggga accttcccc aancctttggt 300
taataccctg gtttggtccc atnatgggat cttgggttca actttttntt t 351
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<210> 3088

<211> 544

<212> DNA

<213> Homo sapiens

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<220>

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<222> (83)

<223> n equals a,t,g, or c

<220>

2618

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<222> (97)
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<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
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<222> (238)
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<220>
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<222> (239)
<223> n equals a,t,g, or c

<220>
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<222> (265)
<223> n equals a,t,g, or c

<220>
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<222> (271)
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<220>
<221> misc feature

2619

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<222> (286)
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<222> (290)
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<220>
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<223> n equals a,t,g, or c

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<222> (331)
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2620

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<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

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<220>

<221> misc feature

<222> (401)

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<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<220>

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<222> (403)

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<220>

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<222> (404)

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<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

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2621

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<220>
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<222> (432)
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<220>
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<222> (470)
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<222> (502)
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<220>
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<222> (513)
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<220>
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<222> (524)
<223> n equals a,t,g, or c

<220>
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<222> (533)
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aatgaagatg agaaacatca ctntacaaac cagttanact atccccaatt tgggttgcat 120
ttaacttgaa agccaaaaaa aattttgggnt tcctggcctt cttgccaaaa gcttaaaaaag 180
ggttttgaaact ttttgttgaa aanaaaaaacc aantttnaaa aaaacntggt tctttccnna 240
aaaagaaaact tttaggggct tgggnaaccc nccccnaaa aaaaanttan aaaaaantnt 300
tggaattcnt ttttcccaaa aaacttgggg naattttttt tnaaaaanaaa aattccccctn 360
naaaaattcc ctttccccct ttttgggggg aangnnaaaa nnnnnnaaaa ntttncccc 420
cccccccttt tnaaatattg aaaaactttg gccccccctt ttttgaaaan tttttaaaaa 480
aaattttttt tggggaaaaa tngcccccca aanccccccc ctgnaatttt tgnaaaaatt 540
cttt 544

<210> 3089
<211> 587
<212> DNA

2622

<213> Homo sapiens

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

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<220>

<221> misc feature

<222> (163)

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<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (497)

<223> n equals a,t,g, or c

2623

<220>
 <221> misc feature
 <222> (514)
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<220>
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 <222> (523)
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<220>
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 <222> (566)
 <223> n equals a,t,g, or c

<220>
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 <222> (568)
 <223> n equals a,t,g, or c

<400> 3089
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 tctanagcac tttgtctttc tcgtanttca taacttacct cttcagtcta gaattagaat 120
 tacattatct gttttactac tttactagac tgtaagctcc tanaagataa ggactaggga 180
 gttcatctct gtattccacc agaaggtaca gtgactcata actagagtct ttanatgaaa 240
 cttactgagt tgaataactt aatatatttc tgttttcatt cccaagggan gccatgtctg 300
 gagatagacc ttgaatttaa taaatttttag gcactatacc atttcagtgg anaaaattgt 360
 tgggaaattt ggggggatng atatataaag gggaggagtt cactgggcca ntttgaangt 420
 gcttccattg gtctgggggt actaaccatt tcttctgaa tgggtgcctag tatatcccca 480
 acagtttggt tcctatnccc aaaaaattta tatnaaattt tcntttcttt gcaaaaactt 540
 gttccttctt tccattcatg aaatcntncc atgctaaatt ctaattc 587

<210> 3090
 <211> 106
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (10)
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<220>
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 <222> (96)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (101)

2624

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<400> 3090

gcgggcacgan gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgctcgt tttaacaacgt cgtgactggg aaccnnaaat nttnnc 106

<210> 3091

<211> 367

<212> DNA

<213> Homo sapiens

<220>

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<222> (61)

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<220>

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<220>

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<220>

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<220>

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<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

2625

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
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<222> (351)
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<400> 3091
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nccattagtc ctatnataat ttaatttggg tttgttggtg tagaaactgt atttgcacaa 120
taatgataaa gccactcagg ctcacttagt cattncctgg atttatgtgt gtacgagtac 180
ataaaaaataa gggcactgat ncgtntggta cttgtctnaa atggttattc ttcagtngtt 240
caaagggtaca caaaatgctn ttttctttat aaggtaaaaa tacttggagg ttataagaaa 300
ataactctta actanctnac tttgantggc tttgatattt ntttctcata ntggaatcca 360
taacctt 367

<210> 3092
<211> 529
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

2626

<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
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<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
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<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
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<222> (432)

2627

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<220>

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<222> (443)

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<220>

<221> misc feature

<222> (464)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (515)

<223> n equals a,t,g, or c

<400> 3092

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taattttatt gtactgttga taccatgctt tttctttatc caagaacatc cctattaaac 120
aaacatgaaa gaaaataatt gatttataac ccttttttaa gcagaggcac ataagtctat 180
agagtggtag tgtnagtgtg tgtactanan naacaaagga aacctgtctc agaacatttg 240
gatttggttg gaaacttttc attttctgtc tcatagagcc caacttactg agtggcactg 300
cccatantgt gaacaaaana gtgtntaaag acgggactgg acatggaaaa ctcaaaaaat 360
cctttctctc tcttaccttt gtgcgattga accatcttac ctatnacagt gaatcttaat 420
natgcantag tntttctent gtntccttct gaaagaaaat ccgngttgtt ttattcttgt 480
aatattctgc tctaataaat atgtaactgt attcntagag aacgatttt 529
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<210> 3093

<211> 564

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

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2629

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 tgaagtcttt catggtacan aaatggggan agtattttgtg gggggttgtg ccacatganc 180
 gaatcagggga gatgagaaaa tgcattggata tattcaggaa ataattgagta nccagttggg 240
 taaacatatc tatccatcta aggtagggtg ggaacacctt gaaaatggtc atgggaattt 300
 attanaaacc atcaacaagt tgggtctgggg atccaaaaac tgaatgaatg ttngcctgtg 360
 gatttcanan caattggcag cagtgcctaa tccccgggtc ttgggcccctc ttcaagtctc 420
 ncctgaaccg tggcctcacc gagtcaaaan ngagttntct ccgctgcacc aaacacacct 480
 ncaccaccan ntgggttttca tttgacgccc aacacnccca tgaacanact tggaaatgtc 540
 cattcaaagt aacccttaag cctn 564

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2630

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tatgtttgccc ccagagatct taattcagaa ctanggtcct tcacctttta agangtggan 180
ctacatgtga ttttcctgac acttgagatc atttgatggt gttaaaatgc tggggtaggg 240

2632

gttgggaaat gggaaatggg agatgggggt angtnacaa aaaaagttct tgantaaang 300
ctaggaagaa aactatctga ngttacttat ttgcctaatac cttctatatt agaattagga 360
aatgtaaatt agtctccana tccttggtgtt gncttcttaa tcccaccgta nccatgacag 420
acaaattctc accctcncct gctnantgtn tgcaagttag anaanacccc aaatcccccc 480
ccttttgga cttcaaattg ggggggtccc aaaacaccnc cggttcataat ttctaaacan 540
tccanaatcc n 551

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<211> 368

<212> DNA

<213> Homo sapiens

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2633

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ggaaaggacc agttccctt attccaactt agcatcactg aatttgtctt tggcaaattg 180
gctttcctca agtctgtctc tgtgtttcag caaggacagg aagtanactg cctcttgtgt 240
tacttgaaga ncagtgttag gggagtgcct angggctcaa ggaagtantc ttctttctgt 300
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gggaaccc 368
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2634

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2635

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taantaatat gtnggaaatt aagattacac atgttctggg tcccctcaaa ccctacattg 180
ctacagttca ctntagcaac ncatntcgtg gtgatngggg gatntacgta naaacntata 240
naagttnttt taaattttat ttattaagga agnanttccc ccaatctgca taaatgantt 300
atnactgatt ttatcanaat atctgtatta aaggttccag aaaaaccc 348

<210> 3097
<211> 564
<212> DNA
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2636

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2637

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 tgaaataact aagtcacta aattatacag tatgctattc tggttctaag tacatattan 180
 tcccttggca aatctgttct ttcaaagcat accttcccca aatgagccta cctacttctt 240
 aaaaaacata ttacacaatg tggntaant angtgtaag gaangtaatt ttttccatag 300
 tgggtatgcn aacntttcnt ttgaaatttt tccttanatt taaagacttt ngggaaataa 360
 aaattngcag ccaaccaaatt tccttgaata gaattttatn cctacttttg ggaaaaaatt 420
 attttttgtt tnccaaaant tttttttagt tattccttta gaaaatttga aattttancc 480
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 ccaatttttt ttttttttnc attg 564

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2638

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<210> 3099
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2639

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2640

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ctggtgatgt atggacatca gagtaatatg gcctatatca gtttttcatg attgttggtt 180
ttttattgtt gttttttctc cctacctctc cttattttct cttcctagga cgtgagactt 240
cacaacctgc taaaaatgag cttccctaata aatatgggga cctacctgtc tangaacaaa 300
ccatcctagc cattaaagat tagatnaacc tgagaccaga gatcnnntttc ttctaaaata 360
ctttctccga aagatcttaa aaagacaagg ganaatgttg aaggaaaata atcttgggac 420
ccactctctg ancaaaggaa atcactngga ctgntaggaa ctctcctctt ccataatccct 480
cccnaggatc ttctatctct ggaagtataa ccaattcntg gttcttnctt acgaatcccc 540
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2641

<213> Homo sapiens

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2643

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2644

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tttgcaaaaca cttaagctgg tatgcaaggc aaatgttcaa agaatttttc agaatttggt 180
atttaaacca ttaattagaa actacttatt tctgaaattt ggcataggct tgaaggaaat 240
ttgggtttta ancattttat tcctttttac tgtctaccaa aggggggctta cccngccaa 300
aaattttggt ttnnnaatcc naaccaagg gcatnanaaa ggaatttttt ngtttggtta 360
cctttnnnna aaaaaacccc aaattttttt tttttgaaaa aattttttct ttttttttna 420
aaaaagcccc ttantttttt ttnaaatang gnttttttta aaaattggnc cccnnmtttt 480
ttanttttaa ntttttttaa aaaaaaaaaa ttttaattgt ttttttnaaa aaatttnccc 540
cccttttaaa antttttccc cacnnagggt tttccccngg ntttttnana aaaaaatttt 600
tttttttaaa aaatttttnt tttttggggg gtttttttan ttttccccct ccctttcccc 660
aaattttngg ttaaacccct nttttttccc ccccaaaatt tccccctccc cgtttcccca 720
aaaatttccc ccca 734
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<210> 3103

<211> 361

<212> DNA

<213> Homo sapiens

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2646

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<220>
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<222> (229)
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<220>
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<222> (332)
<223> n equals a,t,g, or c

<220>
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<222> (338)
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<220>
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<222> (343)
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2647

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<222> (347)
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ccgatctggg gtgcggggct cggcctccct gcgctcctgg ctgacggtgt gaccttgga 120
ccgagacgtg caactgtcca aggctctgtc ctatgccctg cgccatgggg ccttgaactg 180
gggcttccca tggganctgg tacctaantt ggagctgatg cccctggana caccgcangc 240
cctgcccccn atnctantcc atggtacatt ctggaacact ggccatccat cctactcaaa 300
ngcctgtcct gccaggaag gaccacatt cnccttgncc cangaantgc ctggaaaacc 360
c 361

<210> 3104
<211> 61
<212> DNA
<213> Homo sapiens

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<220>
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<222> (45)
<223> n equals a,t,g, or c

<220>
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<222> (53)
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<220>
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<222> (55)
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<220>
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<222> (60)
<223> n equals a,t,g, or c

<400> 3104
gcggcacgag gtaactagtc ttgagttttt tttttttttt ttanntttaa atnctttttn 60
c 61

<210> 3105
<211> 347
<212> DNA

2648

<213> Homo sapiens

<220>

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<222> (51)

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<222> (108)

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<222> (255)

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<222> (274)

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<222> (338)

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<400> 3105

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ttgcagactg gcttacagcc ctctggtaaa agaattgcag actttcangt gggtaggatg 120
agggattgct gctgctctag gtgcaaatgg atttctattta tgtggttttg aataataatc 180
tgggatgttt gcaaacttta cagttcatta tctttcccta taaacaagat gggttggggg 240
tttctagctc tacantgagc attantccaa ccangtttga ntacagctgg agcaaaaaaa 300
ttacttgttt tttttttttt aaatgggcaa ggaacaantt tttttttt 347
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<210> 3106

<211> 419

<212> DNA

<213> Homo sapiens

<220>

2649

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<220>
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gcagagacac agaaagtaac aaagtacaga tgtcatagaa attgtagtcc agcagtagca 120
ggggagatgt actgggncca aagactctga tcctctagac tacctgtaga gcaagatata 180
tttccattta tatcatctcc atatggtgac tagtactcta tgatgcatag gttaaatccg 240
aggttcccta gctttggaat attanattct attnaaagaa atgagattgg gaacattaat 300
gtcacaaaac ttatttgctc agganttggg cagaactgct ctcttaacct taggctgtac 360

2650

cacctggctg aagtttagtc ctctacctc cttggaatgc cncctnctt cccccntn 419

<210> 3107

<211> 103

<212> DNA

<213> Homo sapiens

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<220>

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<222> (44)

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<220>

<221> misc feature

<222> (89)

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<220>

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<222> (91)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (99)

<223> n equals a,t,g, or c

<400> 3107

taccgcctgg taaattttcc aggnatttaa gtcccttttc cttntggtga aataccccc 60

ttgttaaaat ttcgcaacaa aaaaaagcna ncccgttcna aac 103

<210> 3108

<211> 153

<212> DNA

<213> Homo sapiens

<220>

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<220>

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2651

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<220>
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<222> (151)
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ttaatgggaa atttttggac ttgaatctgg gttcaaaatt tgggtngccc tttccgttnc 120
aagtttctta aantttctcc ggttttcnaa naa 153

<210> 3109
<211> 472
<212> DNA
<213> Homo sapiens

<220>

2652

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<220>
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<220>
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2653

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<220>

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<222> (460)

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cccatccatg	gaatgctact	ccattactga	ctttctcaaa	tgaattgaga	ngtctcaaag	120
gcagagacta	tgagttactc	atttttgtat	ctcctagcag	agcacagctc	tggtgcggat	180
gggacccctc	acaataatgt	ttacatagtt	taattaaatt	cagaaagtta	tcattcattt	240
gcagaanaaa	ttactggtaa	tgaagtacta	tgcagtgttc	cattctgcag	aagactaata	300
cctgctaaaa	catttctgtt	taatatttga	taacaaatta	tcccttncca	aaggaactat	360
tgctaacttc	cccacccctc	gacatttaac	cctccagata	cctcctggga	caatggttat	420
ggcaactgga	atctntatnt	cncaaataaa	anccctcccn	cgaattgaat	ta	472

<210> 3110

<211> 103

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (83)

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<222> (97)

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<220>

<221> misc feature

<222> (102)

2654

<223> n equals a,t,g, or c

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ctggccgtcg ttttacaacn tcntgactgg gaaaacntaa ant 103

<210> 3111

<211> 183

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

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<222> (9)

<223> n equals a,t,g, or c

<220>

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<222> (72)

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<220>

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<222> (80)

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<220>

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<222> (130)

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<220>

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<222> (131)

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<220>

<221> misc feature

<222> (149)

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2655

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<222> (154)
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<220>
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<222> (177)
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gcgcnncnc ggtggcggcc gctctatatt aatggatcgc ccgggctgga tgaatgcagc 60
ccgagccact tnactaccan acgccttagt ccaaaccatt tacccaaata aagtataggc 120
gattggaaan ngaaaccgtg gcgcaatana tatngtaccg caagggaaaag atgaganaat 180
tat 183

<210> 3112
<211> 157
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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2656

<220>
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<220>
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<222> (113)
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<220>
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<222> (142)
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<400> 3112
cnttttcagg cctcacacaa tttttntatt aatgancntg atcggaccca agaaaaaaca 60
aatcncctcc atggggggttc caattttcct ttctccaggc cnanttttaa aanaaacccc 120
ctccccccga ggttcccctt tnaccttccc aagttcc 157

<210> 3113
<211> 77
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<220>
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<400> 3113

2657

gggaaatgga gacgggtcatc cctgtagatg tcatgatgca aggggggata aaggtcacn 60
ttncangcct ngntgga 77

<210> 3114
<211> 112
<212> DNA
<213> Homo sapiens

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<220>
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<400> 3114
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cccgggctgc aggaattcgg cacggggccc ccnggtccc ccanaatttt tt 112

<210> 3115
<211> 530
<212> DNA
<213> Homo sapiens

2658

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<220>
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<222> (248)
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<220>
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<220>
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<220>
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2659

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<400> 3115

2660

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gaattcngca cgagcctctg tatagcctcc cagggctctc caaggaagat ggctgagctc 120
catgggcagg gtgttctcac accaccacag atgggacgtg tgcattctcc tttagacctc 180
catgcaggcc gtccccctgc agccgacctg cccccccgtc ctatgttgca catggtgggc 240
cagagtcnct ggctggtaga atgcttccgg ggctgtgttt acnggcgtgg tgtcatgtgt 300
gaacatcatt ccangaaaag gggcctcctc aagggttaagt ggggtctnna tgtaaacctc 360
gcagatgggtg gccgcaccng gantagaatn ctngggctgt caccacggac atacatcctt 420
cttccgagcc tcgtgatctc tccttccctg cctccaaggg gaagctgcnc ccnatctgg 480
ccatgctcct gggcctccac tatgtnggtc tacatcggcc ttggaaaaan 530
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<210> 3116

<211> 549

<212> DNA

<213> Homo sapiens

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<220>

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2661

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<222> (341)
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<222> (360)
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<220>
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<222> (428)
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<220>
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<222> (445)
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<220>
<221> misc feature

2662

<222> (446)
 <223> n equals a,t,g, or c

<220>
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<220>
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<220>
 <221> misc feature
 <222> (511)
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<220>
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 <222> (519)
 <223> n equals a,t,g, or c

<220>
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 tcctcgcca cccctaccc ccggtccgt tgcctttcc ctcccgggac ccgccgcgcg 120
 cccgccccgc gcgcccgcag tccccctctc actttctccc aacctcgccc tcccacagac 180
 gtgcccgggtg ccggtaggct cctctccgca nggcaactgg ctttgggacc ggatganatt 240
 tgangcagca gcgaacctgg gaccgggctt gtcgtgactc tggntcnent nctgccccgg 300
 cagcctttgt gacacgganc cctccggctg cctgctcctc ncnectcgca tgggtctgcn 360
 acattgtggc aattccagan ncttttattg tttgaaaaca gatacnncna attggctttg 420
 ccgtgcanga atttaaaaat ttcanntcaa ctctgacact catctctctg cttgtctctg 480
 caaatcagcc tcanaatgan ttctgatttt ntcaaacang cgttatttat ttaaaaattt 540
 tccaacntc 549

<210> 3117
 <211> 503
 <212> DNA
 <213> Homo sapiens

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<220>

2663

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<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
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<222> (167)
<223> n equals a,t,g, or c

<220>
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<222> (283)
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<220>
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<222> (347)
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<220>
<221> misc feature
<222> (374)
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<220>
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<222> (380)
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<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
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<220>
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<222> (494)
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2664

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<222> (501)

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tggagcanga gccccgccac agccttcnng acngaaattt tgggatnttc ccaagccgac 180
cttccctccg ccttctccca catgaggcca tctcaggaga tggaaggctt ggccagcgcc 240
aagtaaacag ggtacctcaa gccccatttc ctcacactaa ganggcagac tgtgaattga 300
ctgggttgag accaaaccgg tccctgtcct ctagttgcct tctttanacc tccgggcccc 360
tcctcatccc tgantggcn aaccttgctt tccctgggctt tgccagatgc ttggtttgtt 420
aagtttttaa atatattttt gttctttgtg gaaaaaatnt ttttttttgc aaggggcccc 480
ccaaggcttg gganaaangt ntc 503
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<210> 3118

<211> 262

<212> DNA

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2665

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2666

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tcatatcana cttttcaatt atgtaggtgg tttaatgtgc atgctgttna gttaatncct 120
naggaagnat ctgggananaa tatccctnaa tcctanagtn ttcaataaaa catgcctgtg 180
actcttatgn attaaagggtc attttgtctt ctnatnaaat ttctggcncat tatnttcttt 240
ccttgatttg cttaaacatt tt                                     262
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2667

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ttaccttttg ttctnaataa gtctcncata aatgagtgca 100

<210> 3120

<211> 176

<212> DNA

<213> Homo sapiens

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2668

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aaaatttttgn nttccaaatg ttgntcctca ccaggcctat atattcatca tttattggat 120
attcattctt nagttaagaa tacnggtatt attattctga tctcaactcn cntatt 176

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<212> DNA
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<220>
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tggccgtcgt tttacaacgt cgtgactggg aacccaaaan nnn 103

<210> 3122
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<212> DNA
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<220>

2669

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agatttttctt ggaaacnttt ggggggggga aatttttggg gttccagggtg gcgggaaccc 120
ggaan 125

<210> 3123
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<212> DNA
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2670

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<220>
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tggccgtcgt ttacaaacgt cgtgactggg aaaacccaaa tnnnnnn 107

<210> 3124
<211> 72
<212> DNA
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ggganacggn an 72

<210> 3125
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<212> DNA
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2671

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2672

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ctttgggtctt ggtttgaacg tgntacttgc aagctcttgt cgtagcaccg ggagactcct 180
ctcccagcaa ctcaggactc ctaggaccag tgaggcctgt gctatcatan atgaattatg 240
antggatcca tctgancat nacaantncc acccatnaac aacactgcgg tgctaagcta 300
aaatgcctga agaccatana cagagagaat gggattttta aagaaacatt tattaatata 360

2673

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aatcaaaaaca tgtgaagctc agaatgaatn tgggaaacat gatngggaac tgggattcac 420
tgaacacgtn ctgcctaagt caaagggcan aggtccggtg tgaccaacat caggcgcntg 480
gggctctcca tgggcactct gcactnaaac aaattgcgcc nttctgtatg gtgcttgttc 540
ntaccactgc ccacanggct cttattattt t 571
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<210> 3126

<211> 127

<212> DNA

<213> Homo sapiens

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<220>

2674

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ccgctctaga actagtggat cccccgggct gcaggaattc ggnacnaggc cgtntatgtg 120
nggtcaa 127

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<212> DNA
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2675

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aantccaccn aaggtgtgcg gccgctctan gnactagtg 99

<210> 3128
<211> 99
<212> DNA
<213> Homo sapiens

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2676

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gtgtgcanac gctctagaac tagtggatcc cccgggctg 99

<210> 3129
<211> 101
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cgggctgcag gnncaaacc actccacctt actaccagac a 101

<210> 3130
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2677

<212> DNA
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<220>
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<222> (154)

2678

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<400> 3130

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ctgcaggaat tcgagcacga ggaggcgttc agctgcttca agatgannct gancatctcc 120
ttcccagcca ctggctgcca aaanctcatt gaangtg                               157
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<210> 3131

<211> 414

<212> DNA

<213> Homo sapiens

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2679

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gaatggtgtg ttttataacc cataaatggt gtgtgtctac ataccanaat attttaggca 180
aagaaacata tttagatatn ttttgacaga ggatcatnag nathttatgtg tttgaatctt 240

2680

aatgagaagc angtaaattc taaattanaa cangtgtaaa gaaagaaggg aatgttgggtt 300
aagaattttaa tctgaattta ttcaagttac ttttgttcta ctggnannca tagtacttta 360
gtttatatct tgcaagagat aaccctgctg tgtancataa tntgggtaaa atat 414

<210> 3132

<211> 112

<212> DNA

<213> Homo sapiens

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<222> (29)

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<222> (56)

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<222> (99)

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<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

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ggcgagccgc tctagtacta gtggatcccc cgggctgcng ganttcggga cg 112

<210> 3133

<211> 411

<212> DNA

<213> Homo sapiens

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2681

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2682

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<220>
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 cccacctggg gtgacggctg tagggctggg tctatgttgc aagccctata tcctaccatg 180
 cagtggaaag tgcttagctc tctccctcct gacctctggg canccagtca tcaanacaga 240
 nagacnntgn cggnatgtgg gcancatgcc cangttcctt gctgactcan cacttatttc 300
 tgtgggtttta aaaaagaatt taatgttttt ggttgatatnt ttttgggggg gtgncggtgg 360
 ncagaaacat gggggtagtt ctgagttgnt aagaaatggt tctgnaatca a 411

<210> 3134
 <211> 92
 <212> DNA
 <213> Homo sapiens

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<220>

2683

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ggtngtattg aatgatgggt angttaatat ta 92

<210> 3135
<211> 99
<212> DNA
<213> Homo sapiens

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2684

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<400> 3135

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atacgtttcc tgggncttga tcgcgctaaa tcctcaaaat taggntaaca nggccngcan 60
ctccaccaag gtgtntggcc gctctaggaa ttagtggnn 99
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<210> 3136

<211> 94

<212> DNA

<213> Homo sapiens

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<222> (41)

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<222> (49)

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<400> 3136

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actangaata ctttggtttt agccaaatca tcac 94
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<210> 3137

2685

<211> 414
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2686

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attcccgggt cgaccacgc gtccgcccac gcgtccgtaa tagtaagatg ggcaaacctc 120

2687

ctagtccttg ncatttagaa gctggccttt tctaagactt ctagtatgta tggaattctt 180
tgaaaattat attacttttna tttctactga ttttattttg ggatactaag gatgtgncca 240
aatgattcgg gatactaagn atgncatcgn tttgnaaatc atctagtgat gnttgntatg 300
acagattatc ctcaaagaaa catcagngat gatctggaac cnttaaaaac atctgttagg 360
angcaaaaat tnaaaggagc atttgggtaa taatcttaac ttttnggttc aggt 414

<210> 3138

<211> 62

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<220>

<221> misc feature

<222> (23)

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<220>

<221> misc feature

<222> (61)

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nt 62

<210> 3139

<211> 379

<212> DNA

<213> Homo sapiens

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<220>

2688

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<220>
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<220>
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<222> (369)
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cctattttcan atttacgaat ctcaaaaactc taagatagag attatggcat ctagtcaaat 120
actatttgaa atactacgta ctctcaaagt ttttaataaca aaatggtaaa aattatattg 180
aagggttcagt ctctcagat tcttaaagac tttgtgaatt atataggcag gatttaagga 240
tagcatctcc acctaattgag gtgttaacac ttgcttgggt tttaaaacgt ccagatcant 300
tcttgttgct tcctgaaagc atgggccttg gtctgccaca tgtttggggc gcncnagcat 360
tntgggaang gaaaaaagg 379

<210> 3140
<211> 129
<212> DNA
<213> Homo sapiens

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<220>
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2689

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

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<220>

<221> misc feature

<222> (105)

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<220>

<221> misc feature

<222> (113)

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<400> 3140

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ggtcgantca agcgtccgct cacgncggtc ggaaggaaaa tccncaatt cangaggaaa 120
ctgaatcac                                     129
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<210> 3141

<211> 259

<212> DNA

<213> Homo sapiens

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<220>

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<222> (30)

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2690

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<220>
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<222> (219)
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2691

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<222> (221)
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<220>
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<220>
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<222> (251)
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naatgtactg gatntcaaca cacagtccan agacagtcac tctancaaaa gcttagtgtn 120
tccctataac tgggtattct ggtagggtna agtaangcat cctattccat ttcagtctgt 180
ggtaacagca agataggagc cgcacaggtc atagccagna ntnggctatg cgtcccttca 240
tntaatccca ntactccta 259

<210> 3142
<211> 388
<212> DNA
<213> Homo sapiens

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<222> (260)
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2692

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gaatgttctg gatttcaaca cacagtcac agacagccat tctatcaaaa gcttagtggtt 120
ttccctatga ctgggttttc tggtaagggtg aactaaggca tccttttcca tttcaggctg 180
tggtaacagc agataacagc cgcagangtc atagccagca cttttctatg cgtcccttca 240
tttaatccca gtactcctan gtggtanac tatnatnttg gtccacatga attattgaaa 300
antctgtcct aaatttttaa tggaacaaan tatgggtttg caatttactg gtgggtgggtc 360
ncaggaaata ctacgacaat ngganttt 388

<210> 3143
<211> 439
<212> DNA
<213> Homo sapiens

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<220>

2693

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<222> (234)
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<222> (410)
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<220>
<221> misc feature

2694

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<400> 3143

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ggaaaccaga aaacgacacc actgatgaat gtacttaggc tacttaatca agaaatagtc 120
gcaatgattc tacttctgtc ttctttttta aaaaaaattt aattagtttg ttttatttta 180
gaatagcatt actgattacc tttcttccct ggaaattaac acattcgta naanacttaa 240
ggatgcatcc aatgaaatac tttagaattg aaaagaagga aatgaattac ttgaattctc 300
cagaantntt gtgtctattg gtgcncnac nccgtttaaa tgctatattg ccnctganaa 360
ctgatgccct tttgtgaaac acactgtnac aggccccgtt tacctccttn ttttaattan 420
aaaaaaaaa ggggggcgg                                     439

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<210> 3144

<211> 79

<212> DNA

<213> Homo sapiens

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<400> 3144

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cccacgcgtc cgggtacact tacctttttt tttttttttt aaattttccc ccatccagna 60
aaacaacntt ntaatntnt                                     79

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<210> 3145

<211> 247

<212> DNA

<213> Homo sapiens

2695

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2696

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<220>
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<220>
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<222> (226)
<223> n equals a,t,g, or c

<220>
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<222> (234)
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ttaaccnnag atccccggga aaatttcccc cgggggggttc cggaaacca acggccggtt 120
cccgcntaa ttcaatacta annnaaaaaa ccccaaacc caatnggaac ccccttaaac 180
caangggggg ggccctcctc caagcccctc ccnaaaattg gaaccncccg gggncccaac 240
ccaatgt 247

<210> 3146
<211> 485
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<220>
<221> misc feature
<222> (334)
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2697

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<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
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<222> (483)
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gaaacctgtg tatttgattt gaacgatgaa tccaaatgga aacccatgag tgaggaagca 120
attaaatctg tgtgtgctcc tggagctaca acatcccttc ctccctttcc acctctgtgt 180
gcatccacaa ttgaacgctg cagtaacaag taatgaaatt gaaaatgcag ctgaggctcc 240
tggtgtcagn aacacaggga agggatcttg ggcctcacta ctggtntggg aaagaaccag 300
ctctcctacc cttttatcac ccagcttttg ggctcttat gaatttgaag cgttcaacaa 360
gttatatcag cgggnaatga aaaatttcca gaatgccata gggaagggtc gttcctnnat 420
ggtcgcacat ttaaaagggt cccaatacn tttggtgtta tagaaatgnc agaaattgca 480
ttngc 485

<210> 3147
<211> 242
<212> DNA
<213> Homo sapiens

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<220>
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2698

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<222> (54)
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<220>
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<222> (60)
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<220>
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<220>
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2699

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<222> (223)
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<220>
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<222> (234)
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acgacagtnn atgctnaant ggcaattcct cntttaagct atttttccca accttcaggt 120
tggtcagccc tcctgatact cacaggtgga taagtgaggn ctaccagaca ggggagccta 180
agaaacttgg attgaccttc taatctaccn ccttganttc agnacaccat tacnateggg 240
ga 242

<210> 3148
<211> 324
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (119)
<223> n equals a,t,g, or c

<220>
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<222> (131)
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<220>
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<222> (173)
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<222> (185)
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<220>
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<222> (198)
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2700

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<220>
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<220>
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 tatgaaaata acaatatctg caatgagcct taaaggatga acaatatctc canaaacana 120
 ttttgggggcc nagatatgaa gcatggaaca aaggaaataa tattctgaac atnatggaga 180
 aagcntcatt aaagtgcncg gaagtngcaa tattcntgaa ntgttttgggg aaacaaacat 240
 accattgaat gtttctagaa cctacaaggg accccgnaaa cctngaanaa tgaaaaagaa 300
 taaggaaatc caanttccat naaa 324

<210> 3149
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2701

<212> DNA

<213> Homo sapiens

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<220>

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<222> (93)

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<400> 3149

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gtccggaatt cccgggtcga cccacgcgtg ngngcccat 99

<210> 3150

<211> 105

<212> DNA

<213> Homo sapiens

2702

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ggggtgtcan tttttaangg gcccatattt ttacgggtg taana 105

<210> 3151
<211> 274
<212> DNA
<213> Homo sapiens

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<220>

2703

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2704

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<222> (257)

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<220>

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<400> 3151

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atatnagggt	ggatgagggc	tnaaatttca	tcttgggtct	nggaacagat	tcatgggcac	180
acattttata	acgattggtc	ctcagttctg	caaattaaga	anctccaatc	ttnttgattc	240
cccaccggtg	gnaacannat	gcattgagta	atat			274

<210> 3152

<211> 546

<212> DNA

<213> Homo sapiens

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<222> (305)

<223> n equals a,t,g, or c

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<220>

2705

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2706

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 ttcttttttaa taaaatcatt tgcagaattc caaaatacag aacagatgaa agcaggtctg 120
 ctctgtgacc tgtgatggag tcagtaggggt cctcaaagcc cagcctcttc agtcttcctt 180
 cactggcccc cagggagccc taggctaaac agaccatcat gtgaaaacca ctgttacagg 240
 tgcgagaatg gtgtttttaca gagcagccag aggagangca tagaaaagga aacagatnaa 300
 atganaaaact anttaggaaa agaaagcttt catgaacact ttactatggt gccacangct 360
 ttaaaggaaa tccnccttan gttattctca caanaaaccc tatttttaa atcngttcatta 420
 tncccattnn ttaggcttga anggaacaca atccttttga cangttnant taactcttcc 480
 caggtctcac aantaaatnt caaangntga atggaaccca ggnttggcca actcaagggg 540
 tgttct 546

<210> 3153
 <211> 548
 <212> DNA
 <213> Homo sapiens

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<220>
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<220>

2707

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<222> (449)
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gtggaaacat aaggaataca gaaagaatgc aaggagatag accaacgtga gattctcctt 120
catgcactca agagaacgat gttgcaggaa gagctagtct ttcaggctgg gctggtgacc 180
tgagaaagaa tgtccagctt ttcttctcca cttggcatat caagagccag gcgtggaaaag 240
actaaaacag gaaatgttta taaaaactgt tcacggttcg ccaacaagaa attggttaaa 300
gttagcaaaa atgggggattg ganattccca ggaaggaaaag atgcccgggg nttaattggg 360
gaaaaattgg gaaccctgaa acccaggaaa gttcaagccc caagcccaac caggmtttcc 420
ctgttttttt ccaantgaaa gaaagttnng gggccccaag gaatgggatt tggaaaaact 480
tttcccccca agttccccc n gaaacttaat taaatttgggt tgccttaaag gantcccaaa 540
ccccgggg 548

<210> 3154
<211> 298
<212> DNA
<213> Homo sapiens

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2708

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<222> (166)
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<220>
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<221> misc feature
<222> (291)
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cacanaagaa agtcaaggct ggaatttcat tctcttatct aaatctctct gttctctctc 120
agggaatatt ttcagagaat aggtggaatn aagtgaggct gtgganaatg ttatctataa 180
taggatagac tttcttctgt gcacctgatg ggagggtaat gtctaatagt ttatcagtaa 240
cagtaaaaat anagcaaata ccngaaaant aaataagggg gggccnttct naaaaatc 298

<210> 3155
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2709

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<220>
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caaaggccag atgggttttgc cgantcccc ctgctantgt ggggggancc cactttctgc 120
ttgtgangcc ctgactggga accanttggc ctggaatctg ggaagggggc tcccttccca 180
cccttgttct tcctccccnc ccacangnaa tcctg 215

2710

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<211> 164
<212> DNA
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<222> (59)
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<222> (60)
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<220>
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<220>
<221> misc feature
<222> (163)
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2711

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aacccccggg ggggtttccc tnttgggggg gaaaaaattt ttcccccccc ccgggggggg 120
ggttttccgt ccaaanaccc ccaaaccngn ccgggttttc ctnc 164

<210> 3157
<211> 556
<212> DNA
<213> Homo sapiens

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<220>

2712

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<220>
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2713

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<222> (554)

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gtgggaggcg	gcggccccc	accctccata	ntccttccgc	cctctgctan	caccgaagtt	120
tagcccanga	cgggggcccgt	ttaaggggccc	ggccctccgc	cgccgcgcac	gtgancggca	180
ccaggaagct	ggctggggcgc	agccttccct	gaagctcgt	ggcaccggcc	gcacgcntcc	240
atcccggggc	tctgancgga	aggggaaccg	aagctagaag	gaaggcgcat	tctgccc aan	300
gtcncggcag	cngcagtttc	ttgggcncca	agtngtgatt	ggaattactc	ccacgaagaa	360
agggcggttaa	caagaactcc	taagcgaaaa	naaaaacttg	aacanttggt	aaaancttaa	420
ggttttgggg	ctttccttga	aatttncccc	caaggggggg	ttttttgaaa	aaaattgggg	480
gaaccaaagg	ggtttccctt	taaaaaaagg	gnaaccgggt	ttaggcnttt	ncccttgaaa	540
ggaaanggtt	tatncc					556

<210> 3158

<211> 112

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (64)

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<222> (88)

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<220>

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<222> (112)

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<400> 3158

2714

ggaactctcc gacaggcaat acctgctcca gagagccaaa tctggtnnggc tgaactttta 60
tcangcctgc attgcagtnt gatttctncc tcttcgcagt cctgcttctg tn 112

<210> 3159

<211> 245

<212> DNA

<213> Homo sapiens

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<222> (133)

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cagctgctct cgganagagc tggacagaag tttgtattac aggctcgtac accggagggt 120

2715

tctgatggag canacnactt gaggaaggcc ggccttgctg aacacagtgg actgaccggg 180
tctggacccc tccccacng gtgactgtgc actgcagcag aganaagang aaaggaatct 240
gaann 245

<210> 3160

<211> 99

<212> DNA

<213> Homo sapiens

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2716

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gcntatnang gtttcaccgg tcattccgtc angttctgt 99

<210> 3161

<211> 305

<212> DNA

<213> Homo sapiens

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2717

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<222> (286)
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<220>
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aagncgtccc atgagatcgg ggtggcaata ctacggcatt aatacagggt gagntgacaa 120
agaaaaggca acagttgggtt acggtggcca gggtgaccgc cacgaagagg ggttgcggtta 180
aaggaggggtt agcgnagttg ttagccgccg cggcctatca agccagttat gagaactacc 240
tattacgcgt ggcgtattgc catgttntag accatgaagg agnanntgcc ctnagaagca 300
gtgag 305

<210> 3162
<211> 107
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2718

<222> (56)
<223> n equals a,t,g, or c

<220>
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<222> (72)
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tacacaagac ancagttggc ctacgctgcg ctcagccgtg tatcgct 107

<210> 3163
<211> 153
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (140)
<223> n equals a,t,g, or c

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ttctgcccag tgctctgaat gtcaaataaa aaaattcaat gaaacgccgg tnaaccgcgn 120
ganttntat aatcctcttn aggtatccaa aat 153

2719

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<211> 519
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2720

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ccctgagttt catacacgta gctgtcactt tgcacgcatt ttattatctt gtgcgcattg 180
cccgcacgta ctagtttttaa ggggtgattat agttantatg ttgattagtg gctagcgatt 240
ggttgggtgc gttttcctga tggcccacgt actggtggtt tgtgtttaat gtagtgtttg 300
tgggtgtgtg cctggtgaca caacagttac aatggctcgc tactggtgtt gtgtactata 360
tggggccctgc ccagcctang ccctagaag ccacttgccc tcagtctgca aggtgntttg 420
tgctgggtgc caaatncaac aacgtgaatc atnacaagag gccttgctna ttatgagtg 480
gagtgtttga ttggccnctg tnttcctgcc aagtcaata 519

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2721

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gggactcctg ggggtggttct ctctctctgg tcccttctgg ggaacctntt ntcccaatt 120
tcttcgctgc ngttttcccc atcggttccc tn 152

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2722

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2723

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tttttcgggt gctgtgttgt ttggggcgcg gttgctgtat ggtnactggt ggtagccat 180
gggttaccct atacgtagtg tgacttttta aagtagtgtg gtagttgtgc gcgcgctagc 240
ggnngaattt aagcaaagac annacaaacg tagatgggcc cctncta 287
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<212> DNA

<213> Homo sapiens

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2724

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ctactgtgtt gcttatactg ttgtatTTTT gcaaaagcgg tcttgctgtt aacggggcgtg 120
ttatgtttgt tggccgtaac actattgtat actgctgcac ttcgttctga gtgctacgcc 180
gctgcaaatc antccacaga tgcatacagc acacttgtagt tactggccta cgtgtagcgt 240
tttggattgt atggcgtgtg acttctactg gttaaattac tcttagggta acccanagtc 300
atatactact taacggtagg ccaactgcccc tgcttatacg gccccgcctg ccggtgcccc 360
tgccccaggc caatgcgcgg gccacttgt agtaggccgg agcttaacca anttgggtgtg 420
caactaatac ngtgggtgtg atcttaggtg ccctgggctt tgtgtccaac ttagccccctg 480
tggggcgtgc agccgactgg gtgtagttgt gggcctagcg caaacantcn tgttatgttt 540
agacggtgtt cctngtgccg gactttngcg cggtgggggtg agatgtttta cctnactgcc 600
cca 603

<210> 3168
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2725

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ttgccaacan gtgttgcgga ttgcacgtgt ttaggtatgt gtctgatatc canagctcat 120
gttatggccc gttngataag cagttaccac aatgcctctg accgccgctt cggtatancn 180
gancgacggt tgcaanccgc atgtcccatc atgg 214

<210> 3169
<211> 108
<212> DNA
<213> Homo sapiens

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ttttctcagt cggtcttact tggcccacca cgttganattg aacggnac 108

<210> 3170
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<220>
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2728

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<220>

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<400> 3170

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aggtagagcc gggagncgat attactgtag cagttacaag ctagggagga tgggcgcttg 120
cccgtacaag gggcaaaactg ctgctactat gtgaatgagc gatggaatgg gagacagcga 180
aaaaaaaaggc accanaaacac aacggacata gagtggctgg aaccgtttgc cgagaggggg 240
ccaggggggaa gggccgcggc ccaatgcgag cagccaataa tgaagaagac tacgacgact 300
aaagcgnang tggttggcac tctatggagt tgggnncaac tgggtgataa aaaaactttc 360
tgggcaactg gnagataggg aggccggnag ggcagtttnc tagaagttgc gcactgtact 420
agnagggggt tgcngnagc gcgacacaaa ggcacatntg caacgtggaa tgctaaagac 480
agccgcaatg accagggcaa ttggcgtgag cgcggagatt gcaagngccn aagtaggagc 540
tnagatncat tgnagggcaa aagctggatg cgtggtg 577
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<210> 3171

<211> 428

<212> DNA

<213> Homo sapiens

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<222> (5)

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<222> (11)

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2730

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<220>
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2731

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tatctcgttc ttttcaactct tctgttccctg ctattctcttg tctgttcacg ggtacctgtc 120
gctgaactga ctcttcgctcg tcgtgttttgg tacgtcttag tagcaggagt gattcccatt 180
gtagtactta tcancacagc ggtgttcann gtgatnacag ttcccacagt ctccatccccg 240
gcgcttgcca ccgccacccc aacagccgta cgaccatnca accgaatagg cagcatgtct 300
gtaggccgcc aaagcttggt ctgcaanctt ttcaccctca nccgattcaa actatacgaa 360
gtatgccgcg tcagaggcgt agccaatagt attgctacca nataacgggt atnnnacaac 420
tgatcaca 428
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<211> 285

<212> DNA

<213> Homo sapiens

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2732

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tcgacccacg cgtncgcca attcatagag aataaaatta catgaaagag ttacaagctc 120
actgttttaa agacttgaca tttttcattt agttttaatt tacagtactt atggagagcc 180
agcagaagac atcagagcac tcacttcttc ccactcttgt taagggtanc agaattaccc 240
atggacantg ttaggtgagg ctcatctcgc ngcncctgaaa acaaa 285

<210> 3173
<211> 203
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2733

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<222> (196)

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ggtaccggtc cggaattccc gggtcgaccc acgcgtccgc gnnctcgtgg gcggccactc 120
cgggtcccgc accnancctg ccggaaagaa caccgcgaaa tgaaaggcca ccaagaagaa 180
angcactacc tnttangaca aga                                     203
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<211> 553

<212> DNA

<213> Homo sapiens

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2734

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2735

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 taaaatggaa gaacaggaaa aaaaccctgc atcttctgaa cttgaagaac caagtttagt 180
 ttgtgaggaa gatgaaatta tgagggtctaa agaaagtcca gatcttttcta tttntcattc 240
 tcaggttgag cagtttagtca ataaaaacatc tgaacttgat atgtctgaaa gcaaaacaag 300
 aagtggaaaa gtcttttcaga ataaaatggc aaatgggaaat naaccagtaa aatcttccaa 360
 agaaaaatcgg aagagaannc aacatgaatc tnggagaata gtaagnctta tgataatgta 420
 taggtngaata acaatgggaa ggatcacgaa tatcattact acagattaaa tttaaaanga 480
 tgaatttgat atcttttcgat gtacctgaga gtttttgata ttnaaat ttt 540
 tatntttggt ttn 553

<210> 3175
 <211> 88
 <212> DNA
 <213> Homo sapiens

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<220>
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2736

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<220>

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<222> (26)

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<222> (51)

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ggtaaccggtc cggaattccc gggtcgac 88

<210> 3176

<211> 102

<212> DNA

<213> Homo sapiens

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<220>

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<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (83)

<223> n equals a,t,g, or c

2737

<400> 3176

tgagtggaca tgcnatggaa atggattgng acactgggtga atgaacagat gatantctac 60
gtactnaaga tgcatacacc aanatgatga aagg tactgt ac 102

<210> 3177

<211> 196

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (69)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (179)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2738

<222> (184)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (191)

<223> n equals a,t,g, or c

<400> 3177

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ggatgatgtt tactaacgan gaattttaca tccaaanngg gataggcact tggacccccca 60
ttctccaang gcccgggggg gcggnntccc atgggatgtg aaaggctggc cattattaag 120
tccctgtaac tnaaatgtca accccaccga ggcaccctcc cgtnccccag aatcttggnt 180
gttnacaaat nacgtg                                     196
```

<210> 3178

<211> 100

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<400> 3178

```
actatttttg nnagatggta cccctgcag gtaccgggtcc ggaattcccg ggtcgacca 60
ttngtccggt ttnaccagat nctgaccgc gacggcaagg                               100
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<210> 3179

<211> 506

<212> DNA

2739

<213> Homo sapiens

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (430)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (459)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (500)

<223> n equals a,t,g, or c

<400> 3179

gctctttaga	tctacttgct	tttctgcttt	taaagattcc	atgggagcag	tgaggcttac	60
tttgagaata	agggtacttt	gttggataaa	agtgaagcaa	actttttattt	tggcagtaac	120
ggaaataaaag	taaatatcac	tatagcatag	acctgtgttt	ccaactcatt	ttgctcaact	180
tttccagact	tcctgagtaa	acacagatgg	gtttccactt	atttttcagt	tttatgtaga	240
aagttcttta	gactataaat	tccacatgct	acttggagtt	ttcagtgttt	gcttgattgc	300
atgccattgg	aaggtcaaaa	acctagattt	agacattata	aagattttaga	aggtgatgat	360
gtgtagtaac	gtgttttcat	ttggctttat	ttnggctttc	ttgatggtaa	ttctaaatgt	420
tttaattcan	gtcttgacta	aatttcctgg	naattnggng	gcagacagaa	ttttgaaagc	480
cttctatttt	taaatagcan	aatggt				506

<210> 3180

<211> 146

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

2740

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (141)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (145)

<223> n equals a,t,g, or c

<400> 3180

```
ggcgccccnt ttgggtcccg ccggggcgcc gggggtgcgg gagccggccc aggagggggc 60
ggcagcggcg gagtagccaa gtggctccgg gagcacctgg gcttccgcgg gggggncgga 120
ngcngagggg gcagaaagcc ngcgnc 146
```

<210> 3181

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

2741

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

2742

<220>
 <221> misc feature
 <222> (288)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (312)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (324)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (327)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (388)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (392)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (414)
 <223> n equals a,t,g, or c

<400> 3181
 gcctatgcgt ccggtacccat ggaaaactaa atttaannna ccagttataa cagtgttttaa 60
 tttagataag tttgagggaa aataatcant aggcaagagg aacatttttc ctgtantagc 120
 tagagtgcct tgaaaaaatg tgtnggctat gtgaaggaat atttnaacta aaatggaatg 180
 gtatgctnta tacccttaaa gttnaggagg gatcttgata tgttttaaca ttatnatggc 240
 anggaaatat ataaagaana aaaatatnt tctatttaca atttttanaa aaggtttaat 300
 gtaaaaataa tntggatttg tatnaanaac aacactatc gctatgtatt gtgtagaca 360
 tattgtcagt ctgttgctac tgacttanat anttaaagt tggcactgct gaanat 416

<210> 3182
 <211> 63
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature

2743

<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<400> 3182
gagatagact ttntctnttgt aaagtaaata aattntttcaa aganaagcat tgcanatgga 60
cct 63

<210> 3183
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

2744

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<400> 3183
gccccacgcgt tcgggaattc atgtggaggc cccccagct gcaagtgcct tccttggagc 60
agagaggcag cctcgtcctc ctgtcccctc tcctcccagc caccatcggt catctgctcc 120
gggcagaact gtgtggcccc tgcctgtgcc agccatgggc tcgggatgga ctccctgggc 180
cccacccatt gccaaagccag gaaggcagct ttcgcttggt cctgctcggg acagccccgg 240
gtttcccagc atcctgatgt gtcccctctn cccacttcag aggccaccca ctcagcacca 300
ccggcctggc ttgctgcaga ctataaaacta taaccactag ctcgacacaa gtctgcantc 360
caggcgtggt ggaagccgcg tttccggggt cggggaaggc ccccgggggc ttggggaaac 420
gccctggngc cctttccttg ngccaaaaac ccaaaggccc cccttttggc cctttccctt 480
gggcccttgn ttgnccgaac caaggaaaact tggncccaaa 520

<210> 3184
<211> 62
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

2745

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<400> 3184
gtcgcacccac gcgtccgtan aagagtaggt cntccagtgc tgctnntgca gacacctang 60
at 62

<210> 3185
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>

2746

<221> misc feature
 <222> (253)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (415)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (434)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (435)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (499)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (508)
 <223> n equals a,t,g, or c

<400> 3185
 catntggcng tgaccttattc tggangnacg ctggtacgcc tgcaggtacc ggtccggaat 60
 tccccgggtcg acccacgcgt ccgctaagac ttacctgata tttcttagga tgtggacatc 120
 atgtttgggg caatgtntcc ctcaccgcct ctctcatnct ttataccata aaagagtgat 180
 ggcaatatgc tagctgaaat tcacctttcg atgggtttcat tttcttgtct acaaaggcag 240
 ggtgagcgac tgntgccctg tgatttcttg cactcccagt ggaaaggaag cagagggggcc 300
 aagttatggc agagtgcacc cagttaggcc ttcgactaca aaagtatcat ggtttccctt 360
 cctccccagt taccattctt tccctgggtc ccateccctt cacatccagc agtgnngggt 420
 aaccttcctt tgcnnatcct gggaaaacac atctttgctc cagtgcгааag ttagactgga 480
 caaacaagcc ggtgtggang aagctttn 508

<210> 3186
 <211> 91
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (54)
 <223> n equals a,t,g, or c

<220>

2747

<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 3186
acttttgga aagctggccc gcctgcaggt accggtccgg aattcccggg tcgncccacg 60
cgctccttcg cctcaaaggc gnacaggtgn n 91

<210> 3187
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)

2748

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (158)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (179)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (193)

<223> n equals a,t,g, or c

<400> 3187

```
ggncctgncctg aggaggtgtg gacttttatn tatagatcta catanaaact gntacatgac 60
anaaaccaca cctaaagaaa ttttaagaat ttggcacagt tactcactnt gtgtaatctg 120
aaatctagct gctgaatacn ctgaagtaaa tccttganca ctgaagtctt tcaattganc 180
tggatgaata ctn 193
```

<210> 3188

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

2749

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (463)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<400> 3188

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gtcgacccac gcgtccgcgg acgnntggga aaatatcata agatatacct attttaaaac 60
agaatggaca ccctatatatt cagggctgtt gacaggcaca taagccctca cagtcagcta 120
gccattgatt ttcagagttt cttcatttac ttcaattatt gataaatatt caggattgct 180
agtaaatatg ttctttactc atgtgattcc tttaccatct ttttttagag gcattcagaa 240
gtccagtatt tcgacatgga acagataaga atggattcag cttgggtttc agtaaaaaca 300
tgcgacaagt ttttggtgat gagaagaagt actggttgct acccattttt tcaagtctag 360
gtgatggctg ctcctttcca acttgccctg ttaaccagga tcctgaacaa gcattctactc 420
cttgccagggc tgaattccac agcttaaaat ctcgaaaacc atnaagtttn ctgc      474
```

<210> 3189

<211> 58

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

2750

<400> 3189
ggctngatgg gctgactttg actcanaggn atngttcgga tttggcatnt caaaacca 58

<210> 3190
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2751

<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
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<222> (246)
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<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<400> 3190
gaacaaaana tggagagcta atttctgttc ctcttttgan nntgggttat gtnctagtga 60
gaggttcatc tgataaaaat caaatttcaa gtacaatatc acttttaaaa tatctaanan 120

2752

```
aaggatattc aataggaact ccattagatg gaccaaaagg accaaaagaa aangntaaaa 180
aaggactttt atatntatct caaaaaactt ctataccact tgttccagtt ggaatttcat 240
atagtnaaaa gtggatatta aaaaagactt gggataaatn tgagataccc aaaccttttt 300
aaaaagtnaa aatcttttta agtgaaccaa taacaattag tgataaagat gatttanata 360
aatatacaga aattataaaa ccnaaaanaa angcgggccc ttcta 405
```

<210> 3191

<211> 94

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<400> 3191

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gcagaactgt aatctgcgaa gatgaataaa caagcgaggt cactcttctg ggcatagaaa 60
atgctaccac gtggntaccg gntgaangan gnat 94
```

<210> 3192

<211> 549

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

2753

<221> misc feature
 <222> (477)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (490)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (512)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (515)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (532)
 <223> n equals a,t,g, or c

<400> 3192
 gtttttagga attaagtcaa actaagggat angggcctga gtggaagagg ctttgccact 60
 gaaatgacgt gcatgtggca gccgccggaa ccagaggaca tgcagccgcg tgcggagagt 120
 gaggcggatc cattacgggc acacagctta ccatttcctt ccagaattcc ttcttccaaa 180
 caagctatac tgaaatccct ctagtaaaag attgagacga aacactaata gttttgggcc 240
 aaaacgtggt ggagaagttt gaaaagacaa acatagcaac gtgtcttttg ctatatggtt 300
 ccttgccctc cagcaagctt gaaatataaa aaggctaaca tgcaaaacta ggggtactac 360
 cccctcccc cagtttttaa aaagcaattt ccagaagcaa acacacaatg gttcgacttg 420
 aagtgtcggc ataaccattc agtaagaaaa gctagaatag taaacctctt ttctggntgg 480
 gctatttatn aaacctaata aacatcaagg ancgnactca aggatgaaac tnggcaatgt 540
 gtggagccg 549

<210> 3193
 <211> 99
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (13)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (24)
 <223> n equals a,t,g, or c

2754

<220>
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<222> (29)
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<220>
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<222> (31)
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<220>
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<222> (56)
<223> n equals a,t,g, or c

<220>
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<222> (96)
<223> n equals a,t,g, or c

<400> 3193
caaggagaaat ctncgctcac tacnngggna naatggccccg ccgagcaggc accggncccg 60
aattccccggg ttgacccacg cgcttttcac ccgatngcg 99

<210> 3194
<211> 140
<212> DNA
<213> Homo sapiens

<220>
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<222> (3)
<223> n equals a,t,g, or c

<220>
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<222> (11)
<223> n equals a,t,g, or c

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<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2755

<222> (30)
<223> n equals a,t,g, or c

<220>
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<222> (48)
<223> n equals a,t,g, or c

<220>
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<222> (49)
<223> n equals a,t,g, or c

<220>
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<222> (79)
<223> n equals a,t,g, or c

<220>
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<222> (126)
<223> n equals a,t,g, or c

<220>
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<222> (132)
<223> n equals a,t,g, or c

<400> 3194
ttnagaacgt nttncggcac gcgctgcggn tcctcattca cctgcacnnc aggggtggccc 60
catctaagct ggaggcgtng caaaaggccc tggagcctac aggccagagc ggaataggca 120
gtgaangagc tntactccca 140

<210> 3195
<211> 461
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<222> (153)
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<220>
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<222> (271)

2756

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (285)

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<220>

<221> misc feature

<222> (295)

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<220>

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<222> (305)

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<220>

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<222> (325)

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<220>

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<222> (332)

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<220>

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<222> (380)

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<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<220>

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<222> (439)

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<220>

<221> misc feature

<222> (452)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (460)

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2757

<400> 3195

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gcaaaccctt cccctgcagc ctgcttggtg gtgatgttat gctgctgtgt gtccttccac 120
tgaggcaggg gcacaggtgg cctgggctag ganggctgag cagcagagtg ccgagggatg 180
gagggagagc ccccatggga gggtgccagg gggctggctg agcagctggg cgggggtccgt 240
gaggttaagaa ggtgcccggg ccagggggca ngagctctga tgtangacag ctcantccag 300
tcaanggggtg ctatgaggac agcangggcc tncgagtctg ggggtggcctc acccccacaa 360
gcagtcctgg ctactcagcn gcactaccca taggggacnc ctgggcagtt tcttcaattc 420
ggtggcacat taacatcgnt tgaaactttg tnttttcttn t 461
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<210> 3196

<211> 69

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

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<220>

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<222> (13)

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<220>

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<222> (16)

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<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

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<222> (65)

<223> n equals a,t,g, or c

<400> 3196

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gctcttcact tnnatngatg ctttttagata tttggccctt atgtgggaag aanatattga 60
tctanaatg 69
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<210> 3197

<211> 275

<212> DNA

<213> Homo sapiens

<220>

2758

<221> misc feature
<222> (2)
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<220>
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<222> (4)
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<220>
<221> misc feature
<222> (21)
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<220>
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<223> n equals a,t,g, or c

<220>
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<220>
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<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
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<222> (167)
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<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2759

<222> (235)
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<220>
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<222> (240)
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<220>
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<222> (241)
<223> n equals a,t,g, or c

<220>
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<222> (247)
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gggcnaccaa gngcctcccc tcaaaccctt cccaagcttt caaccttatg gcccaagcca 120
agaagggggaa gaaagccccc gaagtngcaa nggaagaaaag caagcanncc cgtggccccc 180
aaccgggttc aagaaccna aacccaaggt gccgcttccc ttggggggccc aaggnccctn 240
nattttnaag aagtggaaga accttgaaca acttg 275

<210> 3198
<211> 146
<212> DNA
<213> Homo sapiens

<220>
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<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
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<220>
<221> misc feature
<222> (14)
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<220>
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<222> (28)
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<220>

2760

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<220>
<221> misc feature
<222> (115)
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<220>
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<222> (119)
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<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
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<400> 3198
tnntctatct tgcnaatccc gttcatantt aaagccagta cgctgcagg taccgggtccg 60
gaattccccgg gtcgacccac gctttcggtt ncggttgccc cctcctgtgg actgngggng 120
cccgtttgna tgagctcatg nagaac 146

<210> 3199
<211> 100
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (40)
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<220>
<221> misc feature
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<220>
<221> misc feature

2761

<222> (73)
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<222> (91)
<223> n equals a,t,g, or c

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ttgnaacccc gttaaagctt gtacgcctgc aggtaccggn ccggaattcc cgggtcgacc 60
cacgcgtccg cncgcgttc gccacgcgt ncgccacgc 100

<210> 3200
<211> 451
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (346)
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<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
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<222> (399)
<223> n equals a,t,g, or c

<220>
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<222> (426)
<223> n equals a,t,g, or c

<220>
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<222> (445)
<223> n equals a,t,g, or c

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gcggaactcnt gggctgaaca ttagcaatgt ggtaagcact gcagtaggag ttttcacgtg 60
tctactcatg taatcctcaa tgcaacctta aagataatgc aagtaccatt gctctcattt 120
atggggtttgt gaatgctgag attaagaagg aatcgtgagt ctctacaagg ttggagactg 180

2762

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taatgtgccc tgccctggctg gctctggcctt cacactctgc attgtgtgtg cagggagcctt 240
ctggacactc tgacgaggat ctggttacct ctgcacaaca cagaagacag gttgaggaag 300
acggaaagct gaggggcttc ttcagggaaa aataatctca gcgtancatt cctgtaagcc 360
tgtctncatc ttacttgaag ggacttgctt ggatttctnc aaatccatcg ttgtgttgtg 420
ccaagncatg actatttctc tctngataa a 451
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<210> 3201

<211> 99

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (23)

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<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

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<222> (48)

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<220>

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<222> (51)

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<220>

<221> misc feature

<222> (61)

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<220>

<221> misc feature

<222> (78)

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2763

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nggtctagggt gtcgtccgag acncttagtn gnactcacat gggaaccnct nctatatatttg 60
naagctggta cccctgcngg taccgggtccg gaatccccg 99

<210> 3202
<211> 72
<212> DNA
<213> Homo sapiens

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<220>
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<222> (58)
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<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
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<222> (72)
<223> n equals a,t,g, or c

<400> 3202
ttaaaatcat gacatgacat acttttggaa tttagtcccc atatgctgac agatgncnaa 60
angggtnat an 72

<210> 3203
<211> 84
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (66)

2764

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<400> 3203

cccccggtcc tttttttggg ggaaaaaaaa acccccctcc cttttttttg gggggaaaaa 60
aangantaan ccccttcttt gggg 84

<210> 3204

<211> 70

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (17)

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<220>

<221> misc feature

<222> (51)

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<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<400> 3204

gctnatgcaa ggtcannccc cttcctgggg gcctgggttaa tgtggatgag ngaaggcctg 60
ggnccttg 70

<210> 3205

<211> 477

<212> DNA

<213> Homo sapiens

<220>

2765

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<220>
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<220>
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2766

<222> (177)
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<220>
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<222> (199)
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<220>
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<222> (212)
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<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
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<222> (243)
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<220>
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<220>
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<220>
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<220>
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<222> (369)

2767

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<220>

<221> misc feature

<222> (373)

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<220>

<221> misc feature

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<220>

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<222> (381)

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<220>

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<222> (408)

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<220>

<221> misc feature

<222> (410)

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<220>

<221> misc feature

<222> (434)

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<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<400> 3205

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gctgncgttc cttcccttcc tgncccacaa gctccttntc ctgaatttnc tacctaaata 120
ttaaccatat gcctagnctn tnaaactaaa aacttggtacc tcatnctcaa ttattanctc 180
ctttcaactc tggagacct ctgtctggtc tnnctctaga aggttctacc gcataaattg 240
atntgtgctc cctgcccctg nactgcccac gcccgggcct gcacatactc actggactgt 300
tnccgttttn acagatgnca gtcttctctg ccctttttcac actgcagctg aagttcaatt 360
acctnaaang acnnccttat ntttcatttc cttggctcca aacctttngn ttgcctctaa 420
gattaaagct caantttcta acagtgtaca gtgtgcaact tccaaccttt ttatntg 477

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<210> 3206

<211> 559

<212> DNA

<213> Homo sapiens

2768

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<220>
 <221> misc feature
 <222> (402)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (427)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (463)
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<220>
 <221> misc feature
 <222> (548)
 <223> n equals a,t,g, or c

<220>
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 <222> (558)
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 acctttgggg aaattggtat tacgagctga ctttggaaaa ttaaaatagc atcaagggtcc 120
 tacatttttaa ataaaacaat cgatatctta atttttaaaa tcagactaga ttacgatacc 180
 agggaaaagac atacatattt tgctttttatg tgttaaagtt ttgtaattca gggaggacaa 240
 gaaaagggat atgggtgcagc tgaactttct aattcactaa gacaggaaaa aaggaaggaa 300
 aaaatgtata tttttaagtt tcaattttaa cctttgctgg taactaaatg ctttgatatg 360
 atcagtcata caaagagtta aattaagcat ggagctgttc anatggcaaa tctgcgttga 420
 gctgaangta aaagacatct ggatttttca ttcattttgct cancagcact aaattttcaag 480
 cttgtttttt tgttcagcat caaagaaaag ggtggtttat ggttatcgga ttttttttaa 540
 cccacatntt tcatgaana 559

<210> 3207
 <211> 410
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (170)

2769

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (195)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (236)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

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<220>

<221> misc feature

<222> (367)

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<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<400> 3207

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tcaaaatttt tggctgtgtt cttgaatact atagcttacc ccaagaggac ttgtggggaa 60
caagaatgag aggggtgaact agaaagaaaag gtgattaggc attgtccacc ccaaaagcaa 120
ctcctctaac aaaagaagga gcttagagca gtttccatgg agaggaggan tggctgttta 180
tcatggctgg ccctntcatt agctcattac caaaaaacct caagggaaca actaanaaaa 240
gggttttggga ttaaaatctg tttaaagaaa tatccggaaa tagggtttcc cataaaaaacc 300
ttgccccattt tttctaaaat ctgatttttt tccttntttt taacccataa atttttgggt 360
ttattcntac atatnctggt attttgacnt cttttggcca aaaaanataaa 410
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<210> 3208

<211> 170

<212> DNA

<213> Homo sapiens

2770

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<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
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<222> (25)
<223> n equals a,t,g, or c

<220>
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<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<400> 3208
cttgntgact tnctcggaaa taccnctact atagggtaag ctggtacgcc tgcaggtacc 60
ggtccggaat tcccgggtcg acccaccggt tnncggacgc ntngggtgaa aagctcctta 120
gccctggggc ttgagggngg aaaggggtag ggtgggtaag agtccatgga 170

<210> 3209
<211> 64
<212> DNA
<213> Homo sapiens

<220>

2771

<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
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<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 3209
gcggaacgcnt nggcaagatc tacgaagaga gatagatcta ccgaagagag atagattttn 60
annc 64

<210> 3210
<211> 62
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)

2772

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

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gg 62

<210> 3211

<211> 80

<212> DNA

<213> Homo sapiens

<220>

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<222> (46)

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<220>

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<222> (52)

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<220>

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<222> (59)

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<222> (64)

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<222> (79)

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<400> 3211

ggtcttcttt aggtagcaga ggtgcagagg aggagtttag atgacntttg anacctcant 60
catnaaggcc tacagaatnt 80

<210> 3212

<211> 74

<212> DNA

<213> Homo sapiens

<220>

2773

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<222> (64)
<223> n equals a,t,g, or c

<220>
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<222> (71)
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<400> 3212
gcttctgagn taggagaact tattccacct tcaaaaccta gtttgggctg ggtgcagtgg 60
ttnnactaat ncca 74

<210> 3213
<211> 385
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (92)

2774

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<222> (109)

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<222> (138)

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<222> (146)

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<222> (151)

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<222> (226)

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<222> (230)

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<221> misc feature

<222> (233)

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2775

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2776

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<400> 3213

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cacgcgtccg cccacgcttt tegantacta tncctttacag ggaaaaaann gggctgttgt 120
gggcataccta tgcagaanca tatttncgct nggttcgaaa gattatgatg catcagctct 180
ctagcaaatac ttctttgntt ctttttacag cattgncctt gcttgnaccn ttngctgatg 240
gctgctagan tttaaatnta tcntgatcnc ntanttgata atattagtga ttccgatttc 300
agctntcatt ngctatgctt ttgctnattt ctcatgtaac atttggtnaa cgattccagg 360
aatatngaca cataggtggg aataa 385
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<210> 3214

<211> 90

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (34)

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<220>

<221> misc feature

<222> (60)

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<220>

<221> misc feature

<222> (72)

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<220>

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<222> (88)

<223> n equals a,t,g, or c

<400> 3214

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gntctgtctg tattattatt cacctataat tagncattat gagataatga taatacagtn 60
ggatagtaaa gnttataata tataaatnga 90
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<210> 3215

<211> 91

<212> DNA

2777

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<400> 3215

gaaactatta cnttgtaaga actctgccta tgcttgctaa atatagnngn gaattantgg 60
tttactaaaa taancaggaa gaggggaaaa a 91

<210> 3216

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<400> 3216

gttttcatct atcttggcag gaagtgcgta tgcgacatnt aagattgaga catcaaaaat 60
tcacagcatg agcagattgt ttacagatgg ggtaactaaa aacaatgagg taaatgtggg 120
tgcctctggg aaaaacactg gaggcattgg aaagggttgg gttgggggcc tggtgttttt 180
tgcattcgcc cccttgagtt catttgttct ttcattctaac agacacttac tgtttgccaa 240

2778

acacatgtaa atgaaacgac tttactgaag atttgaggac gtgagatatt ttctgtcacc 300
acagtgccag attttaaatt gaatattaga gaaacttggt cttaaaactt ttgtctaggc 360
actttatgcc aaccatgttg ctaccctctt ctctccgtcc tcttacattc ttn 413

<210> 3217

<211> 146

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

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<222> (22)

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<222> (23)

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<222> (127)

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<220>

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<222> (128)

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<222> (131)

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<220>

<221> misc feature

2779

<222> (136)
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<220>
<221> misc feature
<222> (139)
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gtaccggtcc ggaattcccg ggtcgaccca cgcgtccggt acctctctgc caagtttggt 120
ggaaaaanngg ncaaaanttna aaaaat 146

<210> 3218
<211> 55
<212> DNA
<213> Homo sapiens

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<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<400> 3218
gacctctact atagntnaag ctggtacncc tgcaggtacc ggtccggaat tcccc 55

<210> 3219
<211> 277
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

2780

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<222> (23)
<223> n equals a,t,g, or c

<220>
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<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

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<220>
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<222> (158)
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<220>
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<222> (167)
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<222> (172)
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<220>
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<222> (235)
<223> n equals a,t,g, or c

<220>
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<222> (243)
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<220>

2781

<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<400> 3219
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cgccacacagc gtcctggaat ttttttcttt tgaaagctat gtaggtggac tttgngatta 120
tgtaagcata aagctaattg gattggnggg agccccanct gagagcnggc angtgctgga 180
caatcttctc tcagccttgc tctgctaattg tctccctggg tgtaggctgg cctcntgctg 240
ctnntgttat gcancacanc aagataactg cctgctg 277

<210> 3220
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

2782

<400> 3220
gctggcctgt ttttataact ttatTTTTtca aatattaaca accactgctt tcagagtggg 60
tattttgtta tttttgaagc aggaaataac catttgtatt tgcacctgcg tattgcatat 120
gaattatggg atacttggca aatgcttttc ttttacctgt gaaaattctg aaagctgggc 180
caagctacat tgcataccaa attgtgctct tatataattat ttgcatcgtg tccttttttaa 240
tcaaatagca tgttttagtt ttattatagt aagctttttg ctgtaagaat ggcacttgct 300
taacctttna atggaccttg gaatctttaa attattgctt ttnaacattg gtaattnaaa 360
ccaaaattcn atttncgtaa tt 382

<210> 3221

<211> 142

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

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<222> (30)

<223> n equals a,t,g, or c

<220>

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<222> (118)

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<220>

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<222> (122)

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<220>

<221> misc feature

2783

<222> (135)
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<220>
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<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<400> 3221
acncccantt gaaacccnc actcatntn gggaaagctg gcacgcctgc aggtaccggt 60
ccggaattcc cgggtcgacc cacgctttcg caggagtctg ccacttgtca aagaaggngt 120
tnatcctgag tcttnccant cn 142

<210> 3222
<211> 679
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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<222> (41)
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<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
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<222> (459)
<223> n equals a,t,g, or c

<220>
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<222> (461)
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<220>
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2784

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<220>

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<222> (523)

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<220>

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<222> (569)

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<220>

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<222> (604)

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<222> (638)

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<222> (652)

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<220>

<221> misc feature

<222> (669)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (672)

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<400> 3222

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agaaggacca	actctaggct	caatatgaag	ggatttagtt	ctgtaagcag	caaaaaagct	120
tctttatcaa	gtcatcttac	ctctaattct	tttccagtgt	gccaaactcca	aagtcaacat	180
taaaaatgta	aatggacctg	tgtaaatata	acagagagct	tttccttata	catctcaatg	240
ctgagagtta	aaatattccc	agggttaaaat	tttttttaaag	taccaataat	agagctaaat	300
acaatgacat	ttgcttttaa	aagggtggata	ttttatttct	gctttttgaa	aatactttatt	360
tagtattgac	ttggaagcca	atattgggtcc	tttaataagt	aaagaaaata	atatgtttta	420
aaatgtaaat	gttttacaaa	ttttgaaact	ttcataannng	nattaatcag	aaaacaagcn	480
cattgccatt	ctttgaaact	catgtttcta	gacatgacag	cangtcaata	aaaggatgaa	540
aacaagtgtc	ttcactaagc	cgtattggnc	aataaatggg	acccaaacgt	tcaatctgtt	600
caanttacca	aagggttcaa	aaatacgtaa	tttagcangg	aaacctttca	tnccagtggc	660
tatcccagnc	cncacattc					679

2785

<210> 3223

<211> 503

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

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<220>

<221> misc feature

<222> (38)

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<220>

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<222> (363)

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<222> (420)

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<222> (426)

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<222> (442)

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<222> (488)

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<220>

<221> misc feature

<222> (491)

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<400> 3223

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aatttactac atattagtac tatattcgta aggattttttt attaaccatt acagattttta 120
caaacagcta gttatatgggt aaacagatta ttatgccttt ttgcaattct gaatatgatt 180
ctagtattttg tgtagatgta tttggtactt tttcccctaa ttccaacact agtttatata 240
tatagcggaat aaatctagtt gtataaattt ttaaatgccg tcagtagaaa gcacacaagg 300
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2786

ttatgatttt ttttaattact ggcttctgat ttcttttcaact tctgatacctt ttcttttttct 360
canatgtagc tgagtcttga tcattttaag acaacgatgg gtagaatttg agaataatgn 420
taattntcct tttgtaattc anccctttac tatgctttgc cagaagatca gaatctccat 480
ccttgggntt nggataacca tgt 503

<210> 3224

<211> 105

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)

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<220>

<221> misc feature

<222> (16)

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<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

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<222> (75)

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<220>

<221> misc feature

<222> (86)

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<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<400> 3224

nacctggata acccgntctc gaagggggcgg cggcagcggc aagcggagga ggcggaggcc 60
tgngagggggg cctgngaaaaa gggctnggaa ggcctgaaca gnggg 105

<210> 3225

<211> 111

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

2787

<222> (44)
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<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
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<222> (51)
<223> n equals a,t,g, or c

<220>
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<222> (83)
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<220>
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<222> (89)
<223> n equals a,t,g, or c

<400> 3225
aaggccccca gcaggtaccg gtccggaatt cccgggtcta ccncgcgtn nttttaagcc 60
ctataacaag ctaaaaaaca ggncaactnt aaacgaaaac cccgaaaact a 111

<210> 3226
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
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2788

<220>
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<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
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<222> (110)
<223> n equals a,t,g, or c

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<222> (119)
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<222> (120)
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<222> (133)
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<220>
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<222> (143)
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<220>
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<222> (148)
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